

80 YEARS
RAVENOL®

PRODUCT GUIDE



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10 GOOD REASONS TO CHOOSE RAVENOL



1 History and independence

RAVENOL has been an independent lubricant manufacturer since 1946 and can therefore decide for itself which ingredients to use.

2 Portfolio

RAVENOL offers a wide range of lubricants and operating fluids for every vehicle. RAVENOL was the first company in the world to receive a license from the American Petroleum Institute (API) for the viscosity SAE 0W-16.

3 Our plant

RAVENOL products are 100% MADE IN GERMANY and have the same quality worldwide. Both plants (Werther and Lubmin) are equipped with state-of-the-art laboratories where all incoming raw materials and finished products are tested for quality.

4 Highly specialised

Our specialization in automotive lubricants ensures high competitiveness and outstanding quality, proven in motorsport.

5 Low environmental impact and environmentally friendly Products

Environmental protection is a central task in our corporate principles, proven by the DIN EN ISO 14001:2015 certificate.

6 A quality product: PAO-based lubricants

Thanks to superior PAO technology, our lubricants are outstanding in many areas such as friction, cleaning and evaporation.

7 Sustainability

The "Fokus Zukunft" label ensures proper and legally valid handling of emissions offsetting. This enables us to transparently demonstrate our corporate strategy for avoiding and offsetting CO₂ emissions to international customers. RAVENOL has fulfilled the strict requirements of "Fokus Zukunft" for the products listed here.

8 Motorsport

RAVENOL is a technical partner in over 100 racing series and motorsport teams both nationally and internationally. RAVENOL provides technical support for the OEMs' motorsport commitments:

1. Development and use of lubricants for performance applications and customer sport with Mercedes-AMG Motorsport
2. Development project with BMW Motorrad
3. Equipping the vehicle delivery (starter kit) with RAVENOL engine & transmission oils: BMW M4 GT4, BMW M2 Racing GR Supra GT4
4. Development of the joint lubricants with Ralf Schumacher

9 Forgery-proof, innovative packaging

Our packaging is optimized for ease of use for our customers and is forgery-proof thanks to various security features.

10 Strong marketing

Collaborations with Ralf & David Schumacher, Maro Engel, Lucas Auer and others, as well as our presence at all major trade fairs and our unique merchandise products provide extensive opportunities to present the RAVENOL brand.

Engine oils for passenger cars – USVO®

Product name	Classifications			Description / Features
	SAE	API	ACEA	
RAVENOL Extra Fuel Economy EFE Art.-No.: 1111103	0W-16	SP (RC)		PAO (Polyalphaolefin) based, fully synthetic low friction motor oil with special USVO® and proven CleanSynto® technology for passenger car petrol engines with and without turbo-charging and direct injection. ILSAC GF-6B, Honda 08215-99974, 08216-99974, 08232-P99S1LHE, Honda Ultra Next, Ultra Green, Hybrid Engine, Nissan KLANM-01A04 Extra Save X Eco, Mitsubishi MZ102661, MZ102662, Mitsubishi DiaQueen ECO Plus, Renault AN2022. Toyota 08880-11005, Toyota 08880-13105, Toyota 08880-83889
RAVENOL Eco Synth ECS Art.-No.: 1111102	0W-20	SN (RC)	C5	PAO (Polyalphaolefin) based, fully synthetic low friction motor oil with special USVO® and proven CleanSynto® technology for passenger car petrol and diesel engines with and without turbo-charging and direct injection. ILSAC GF-5, Resource Conserving, MB 229.71, Fiat 955535-DSX, Ford WSS-M2C947-A/ 952-A1, GM 6094M, Honda/Acura HTO-6, Chrysler MS-6395, Mitsubishi, Nissan, Mazda, PSA B71 2010, Suzuki, Toyota, Jaguar Land Rover STJLR.03.5006, STJLR.51.5122, Opel OV 040 1547 - A20, Buick , Cadillac, Chevrolet, GM dexos1, Infiniti
RAVENOL DFE Art.-No.: 1111109	0W-20	SQ (RC)		PAO (Polyalphaolefin) based, fully synthetic low friction motor oil with special USVO® and proven CleanSynto® technology for passenger car petrol engines with and without turbocharging like Turbo-GDI and direct injection. Helps to prevent LSPI (low speed pre-ignition). ILSAC GF-7A, GM dexos1™ Gen 3, Ford WSS-M2C947-A/-B1, Chrysler MS6395, MS-13340
RAVENOL EFS Eco Fullsynth Art.-No.: 1111105	0W-20	SN Plus, SP (RC)	C5, C6	PAO (Polyalphaolefin) based, fully synthetic low friction motor oil with special USVO® and proven CleanSynto® technology for passenger car petrol and diesel engines with and without turbo-charging and direct injection. ILSAC GF-6A, BMW Longlife-17 FE+, VOLVO VCC RBS0-2AE 0W-20- Service Fill, MB 229.71, MB 229.72, Chrysler MS-13340, Opel OV 040 1547 - A20, PSA B71 2010, Honda, Nissan, Mazda, Suzuki, Toyota, VOLVO, Geely, Lynk & Co, Polestar
RAVENOL VSE Art.-No.: 1111112	0W-20		C5	PAO (Poly-alpha-olefin) based fully synthetic low friction motor oil with especially USVO® and proven CleanSynto® technology for passenger car petrol and diesel engines with and without turbo-charging and direct injection. VW 508 00/509 00, Porsche C20, Ford WSS-M2C956-A1
RAVENOL FES Art.-No.: 1111146	0W-30	SP (RC)	C2, A5/B5	PAO (Polyalphaolefin) based, fully synthetic low friction motor oil with special USVO® and proven CleanSynto® technology for passenger car petrol and diesel engines with and without turbo-charging and direct injection. ILSAC GF-6A, BMW Longlife-12FE, Chrysler MS-13340; FIAT 9.55535-DS1/GS1; Ford WSS-M2C950-A; IVECO 18-1811 CLASSE SC1 LV; Jaguar Land Rover STJLR.03.5007; DTRF 15D100, MB 227.61, 229.61, PSA B71 2290, B71 2312
RAVENOL VSF Art.-No.: 1111107	0W-30		C2	PAO (Polyalphaolefin) based, fully synthetic low friction motor oil with special USVO® and proven CleanSynto® technology for passenger car petrol and diesel engines with and without turbo-charging and direct injection. Jaguar Land Rover STJLR.03.5007, Ford WSS-M2C950-A
RAVENOL VSW Art.-No.: 1111106	0W-30	SN	C3	Fully synthetic low friction motor oil with USVO® technology for passenger car engines with and without turbo-charging and direct injection. BMW Longlife-04, MB 229.31, 229.51, 229.52, Porsche C30, VW 504 00 / 507 00, Chrysler MS-11106, VWC 530 35
RAVENOL SSO Art.-No.: 1111100	0W-30	SN/CF	A3/B4	PAO (Polyalphaolefin) based, fully synthetic low friction motor oil with special USVO® and proven CleanSynto® technology for passenger car petrol and diesel engines with and without turbo-charging and direct injection. VOLVO VCC 95200356 (Service Fill), MB 229.5, VW 502 00/ 503 01(Audi)/ 505 00, BMW Longlife-01, BMW Longlife-98, GM-LL-A-025, GM-LL-B-025, Renault RN0700 / RN0710
RAVENOL SSV Fuel Economy Art.-No.: 1111145	0W-30	SP	A5/B5	PAO (Polyalphaolefin) based, fully synthetic low friction motor oil with special USVO® and proven CleanSynto® technology for passenger car petrol and diesel engines with and without turbo-charging and direct injection. VOLVO VCC 95200377, MB 229.6
RAVENOL Super Synthetik Öl SSL Art.-No.: 1111108	0W-40	SN Plus/ SP/CF	A3/B4	PAO (Polyalphaolefin) based, fully synthetic low friction motor oil with special USVO® and proven CleanSynto® technology for passenger car petrol and diesel engines with and without turbo-charging and direct injection. MB 229.3, MB 229.5, MB 226.5, VW 502 00 / 505 00, BMW Longlife-01, Porsche A40, Renault RN0700 / RN0710, Fiat 9.55535-M2, Chrysler MS-12633, Chrysler MS-10725, Ford WSS-M2C937-A

Product name	Classifications			Description / Features
	SAE	API	ACEA	
RAVENOL High Fuel Economy HFE Art.-No.: 1111104	5W-16	SN		PAO (Polyalphaolefin) based, fully synthetic low friction motor oil with special USVO® and proven CleanSynto® technology for passenger car petrol and diesel engines with and without turbo-charging and direct injection. Honda 08215-99974, 08216-99974, 08232-P99S1LHE, Honda Ultra Next, Ultra Green, Hybrid Engine, Nissan KLANM-01A04 Extra Save X Eco, Mitsubishi MZ102661, MZ102662, Mitsubishi DiaQueen ECO Plus, Toyota 08880-11005
RAVENOL Super Fuel Economy SFE Art.-No.: 1111110	5W-20	SP (RC)	A5/B5	PAO (Polyalphaolefin) based, fully synthetic low friction motor oil with special USVO® and proven CleanSynto® technology for passenger car petrol and diesel engines with and without turbo-charging and direct injection. ILSAC GF-6A, FORD WSS-M2C930-A, FORD WSS-M2C930-B (extended drain capability), Ford WSS-M2C925-A/B, Ford WSS-M2C948-B, Chrysler MS-6395, Honda/Acura HTO-6, Nissan, Mazda, Suzuki, Toyota, Fiat 9.55535-CR1, JaguarLandRover STJLR.03.5004
RAVENOL DXG Art.-No.: 1111124	5W-30	SQ (RC)		PAO (Polyalphaolefin) based, fully synthetic low friction motor oil with special USVO® and proven CleanSynto® technology for passenger car petrol engines with and without turbo-charging and direct injection. ILSAC GF-7A, Resource Conserving, GM dexos1™ Gen 3, Chrysler MS-6395, MS-13340; Fiat 9.55535-CR1, Ford WSS-M2C946-A/-B1, Ford WSS-M2C929-A, Ford WSS-M2C961-A, Honda/Acura HTO-06, Opel OV 040 1547 - G30, VWC 53034
RAVENOL FDS Art.-No.: 1111139	5W-30	SP/CF	A7/B7 A5/B5	PAO (Polyalphaolefin) based, fully synthetic low friction motor oil with special USVO® and proven CleanSynto® technology for passenger car petrol and diesel engines with and without turbo-charging and direct injection. Renault RN0700, FORD WSS-M2C913-D (covered FORD WSS-M2C913-A/B/C), Fiat 9.55535-G1, JAGUAR LAND ROVER STJLR.03.5003, MB 229.6, VWC 530 36
RAVENOL VMP Art.-No.: 1111122	5W-30	SN	C3	PAO (Polyalphaolefin) based, fully synthetic low friction motor oil with special USVO® and proven CleanSynto® technology for passenger car petrol and diesel engines (including DPF and TWC). Extended oil change intervals. Meets EURO IV and EURO V standard for emission reduction. Multi-Oil. BMW Longlife-04, VW 504 00 / 507 00, MB 229.51, MB 229.31, Porsche C30 (currently valid for PORSCHE Diesel cars, Cayenne V6 and all PORSCHE Hybrid cars), Fiat 9.55535-S1, Audi/Volkswagen G 052 195 M2, G 052 195 M4, G 052 195 M6, BMW 83 21 0 398 507, BMW/Mini 83 21 0 398 508, Mercedes Benz 000 989 89 01 10, Chrysler MS-11106, Audi Motorsport V31 748 026
RAVENOL VollSynth Turbo VST Art.-No.: 1111136	5W-40	SP, SN Plus	A3/B4	PAO (Polyalphaolefin) based, fully synthetic low friction motor oil with special USVO® and proven CleanSynto® technology for passenger car petrol and diesel engines with and without turbo-charging and direct injection. Minimizes fuel consumption, excellent cold start characteristics. Extended oil change intervals according to manufacturers recommendation. MB 229.5, MB 226.5, MB 229.3, Porsche A40, VW 502 00 / 505 00, BMW Longlife-01, Opel GM-LL-B-025, Renault RN0700 / RN0710, Chrysler MS-12991 (replaces references to MS-10896), MS-10850, MS-10725 (Fiat 9.55535-Z2), PSA B71 2296

Engine oils for passenger cars – CleanSynto®

Product name	Classifications			Description / Features
	SAE	API	ACEA	
RAVENOL UFE Art.-No.: 1111155	0W-8			Synthetic high performance motor oil with CleanSynto® technology and PAO content for passenger car petrol and diesel engines with and without turbo-charging and direct injection. JASO GLV-1
RAVENOL FEH Art.-No.: 1112115	0W-16	SN Plus, SP(RC), ILSAC GF-6B		Synthetic high performance motor oil with CleanSynto® technology and PAO content for passenger car petrol and diesel engines with and without turbo-charging and direct injection. Honda 08215-99974, 08216-99974, 08232-P99S1LHE, Honda Ultra Next, Ultra Green, Hybrid Engine Nissan KLANM-01A04 Extra Save X Eco, Mitsubishi MZ102661, MZ102662, Mitsubishi DiaQueen ECO Plus, Toyota 08880-11005
RAVENOL RNF Art.-No.: 1111153	0W-20		C5	Synthetic high-performance, low-friction motor oil with CleanSynto® technology for passenger cars petrol and diesel engines based on the latest additive technology with selected base oils. Particularly suitable for engines from Renault and Dacia. RN17FE
RAVENOL EHS Art.-No.: 1111113	0W-20	SP (RC), SN Plus	C5/C6	Synthetic, low-friction engine oil with CleanSynto® technology for car gasoline and diesel engines, with and without turbocharging and direct injection. ILSAC GF-6A, MB 229.71, Fiat 955535-DSX/GSX, Ford WSS-M2C947-A/ 952-A1/ 954-A1/ 962-A1, Jaguar Land Rover STJLR.03.5006, STJLR.51.5122, GM dexos1™ (First Generation), GM 6094M, Chrysler MS-6395, PSA B71 2010, Mitsubishi, Mazda, Suzuki, Honda/Acura HTO-06, Toyota, Subaru, Nissan, Lexus, Infiniti, Cadillac, Chevrolet, Buick, VOLVO, Geely, Lynk & Co, Polestar, VWC 530 57
RAVENOL EHC Art.-No.: 1111128	0W-20	SQ (RC)		Synthetic, low-friction engine oil with CleanSynto® technology for car gasoline engines, with and without turbocharging and direct injection. ILSAC GF-7A, Buick , Cadillac, Chevrolet, Chrysler MS-6395, Ford WSS-M2C947-A, Ford WSS-M2C952-A1, GM 6094M, GM dexos1™ Gen 3, Honda/ Acura HTO-06, Infiniti, Lexus, Mazda, Mitsubishi, Nissan, Subaru, Suzuki, Toyota
RAVENOL VSH Art.-No.: 1111154	0W-20		C5	HC (Hydrocrack) and PAO (Polyalphaolefin) based synthetic low friction motor oil with proven CleanSynto® technology for passenger car petrol and diesel engines with and without turbo-charging and direct injection. Porsche C20, VW 508 00 / 509 00, Ford WSS-M2C956-A1
RAVENOL Super Synthetic Hydrocrack SSH Art.-No.: 1111138	0W-30	SM	A3/B4	Synthetic low friction motor oil with CleanSynto® technology for passenger car petrol and diesel engines with and without turbo-charging and direct injection. Minimises friction, wear and fuel consumption with excellent cold start characteristics. Suitable for extended oil change intervals where recommended by manufacturer. MB 229.3, VW 502 00 / 505 00, BMW Longlife-98, Renault RN700/0710, VOLVO 95200356
RAVENOL HSV Art.-No.: 1112117	0W-30	SP		Synthetic motor oil with CleanSynto® technology for passenger car petrol engines with and without turbo-charging and direct injection. Minimises friction, wear and fuel consumption with excellent cold start characteristics. Suitable for extended oil change intervals where recommended by manufacturer. MB 229.6, VOLVO VCC 95200377
RAVENOL HSW Art.-No.: 1112118	0W-30	SN	C3	Synthetic low friction motor oil with CleanSynto® technology for passenger car petrol and diesel engines with and without turbo-charging and direct injection. Minimises friction, wear and fuel consumption with excellent cold start characteristics. Suitable for extended oil change intervals where recommended by manufacturer. BMW Longlife-04, MB 229.51, MB 229.52, Porsche C30, VW 504 00, VW 507 00
RAVENOL WIV II Art.-No.: 1111101	0W-30		A5/B5	Fully synthetic low friction motor oil with CleanSynto® technology for VW and Audi petrol and diesel engines with pump-injection and extended service intervals (Longlife II). VW 503 00 / 506 00 / 506 01
RAVENOL SHL Art.-No.: 1111127	0W-40	SN/CF	A3/B4	HC (Hydrocrack) and PAO (Polyalphaolefin) based, fully synthetic motoroil with CleanSynto® technology for passenger car petrol and diesel engines with and without turbo-charging and direct injection. BMW Longlife-01; Ford WSS-M2C937-A, MB 229.5, Renault RN0710; Porsche A40; VW 502 00, VW 505 00

Product name	Classifications			Description / Features
	SAE	API	ACEA	
RAVENOL VFE Art.-No.: 1111311	5W-20	SP(RC), SN Plus	A5/B5	Synthetic low friction low SAPS motor oil with CleanSynto® technology for passenger car petrol and diesel engines with and without turbo-charging and direct injection. Minimizes friction, wear and fuel consumption. ILSAC GF-6A, Chrysler MS-6395; Fiat 9.55535-CR1; Ford WSS-M2C930-A, Ford WSS-M2C930-B (extended drain capability), Ford WSS-M2C925-A/B, Ford WSS-M2C948-B; Honda/Acura HTO-06; Hyundai; Jaguar Land Rover STJLR.03.5004; Kia; Mazda; Mitsubishi; Nissan; Suzuki; Toyota
RAVENOL GFE Art.-No.: 1111111	5W-20	SQ(RC)		Synthetic, low-friction engine oil with CleanSynto® technology for passenger car gasoline and diesel engines, with and without turbocharging and direct injection. ILSAC GF-7A, GM dexos1™ Gen 3, Chrysler MS-13340, MS-6395; Ford WSS-M2C945-B1, Ford WSS-M2C960-A1
RAVENOL FO Art.-No.: 1111115	5W-30	SL/CF	A5/B5	Engine oil suitable for fuel-saving year-round use in modern gasoline and diesel engines in cars, vans and similar vehicles from FORD, RENAULT, Toyota, Hyundai, KIA, Mazda, Honda, Nissan and Mitsubishi. Fiat 9.55535-G1; FORD WSS-M2C913-D (covered 913-A/-B/-C); JAGUAR LAND ROVER STJLR.03.5003; MB 229.6; RENAULT RN0700, VWC 530 36
RAVENOL SMO Art.-No.: 1111151	5W-30	SN(RC)		Synthetic, low-friction engine oil with CleanSynto® technology for passenger car gasoline and diesel engines, with and without turbocharging and direct injection. ILSAC GF-5 ,Ford WSS-M2C929-A, Ford WSS-M2C946-A, Chrysler MS-6395, GM 6094M, Fiat 9.55535-CR1, Nissan, Subaru, Toyota, Ford, Chrysler, Lexus, Mazda
RAVENOL FLJ Art.-No.: 1111143	5W-30		C2	Synthetic, low SAPS, low-viscosity motor oil with CleanSynto® technology that is suitable for petrol and diesel cars, with or without turbochargers and fuel injectors. It minimises friction, deterioration and fuel consumption, as well as possessing excellent cold-start characteristics and a lengthened oil change interval. JAGUAR LAND ROVER STJLR.03.5005, FORD WSS-M2C934-A/-B, MAZDA, Mitsubishi
RAVENOL FEL Art.-No.: 1111123	5W-30	SN/CF	C2	Synthetic low friction motor oil with CleanSynto® technology for passenger car petrol and diesel engines (including DPF and TWC). Extended oil change intervals. Meets EURO IV and EURO V standard for emission reduction. HTHS >2,9 mPa*s(cP). Chrysler MS-13340, JASO DL-1 (D049RAV111), PSA B71 2290, FIAT 9.55535-S1, HONDA i-DTEC / i-CTDi, MAZDA MZR-CD /MZ-CD/ CiTD, Mazda 183419 / 183418, TOYOTA 08880-83389 / 08880-83388, IVECO 18-1811 CLASS SC1, SUBARU Boxer Diesel, SUZUKI
RAVENOL HDS Hydrocrack Diesel Specific Art.-No.: 1111121	5W-30		C4	Synthetic low friction mid SAPS motor oil with CleanSynto® technology for passenger car diesel engines (including DPF and TWC). Extended oil change intervals. Meets EURO IV and EURO V standard for emission reduction. HTHS >3,5 mPa*s(cP). Renault RN0720, MB 226.51
RAVENOL HCL Art.-No.: 1111118	5W-30	SN/CF	A3/B4	Synthetic low friction motor oil with CleanSynto® technology for passenger car and van petrol and diesel engines with and without turbo-charging and direct injection. MB 229.5, BMW Longlife-01, BMW Longlife-01 FE, VW 502 00 / 505 00 / 501 01
RAVENOL HPS Art.-No.: 1111117	5W-30	SL/CF	A3/B4	Semi-synthetic low friction motor oil with CleanSynto® technology with poly alpha olefin for passenger car petrol and diesel engines with and without turbo-charging and direct injection. MB 229.3, BMW Longlife-98, VW 502 00 / 505 00
RAVENOL HLS Art.-No.: 1111119	5W-30	SN/CF	C3	Synthetic low friction motor oil with CleanSynto® technology for passenger car petrol and diesel engines (including DPF). Extended oil change intervals. MB 229.51, MB 229.52, MB 229.31, BMW Longlife-04, VW 502 00 / 505 00 / 505 01, GM dexos2™, Opel OV 040 1547 - D30, Fiat 9.55535-S3, Chrysler MS-11106
RAVENOL HDX Art.-No.: 1111125	5W-30	SQ (RC)		Synthetic, low-friction engine oil with CleanSynto® technology for car gasoline engines, with and without turbocharging and direct injection, such as Turbo-GDI and direct injection. ILSAC GF-7A, GM dexos1™ Gen 3, Chrysler MS-6395, MS-13340, Fiat 9.55535-CR1, Ford WSS-M2C946-A/-B1, Ford WSS-M2C929-A, Honda/Acura HTO-06, Opel OV 040 1547 - G30, VWC 530 34

Product name	Classifications			Description / Features
	SAE	API	ACEA	
RAVENOL SMP Art.-No.: 1111126	5W-30	SP	C2/C3	Mid SAPS low friction motor oil with CleanSynto® technology for passenger car petrol and diesel engines (including DPF and TWC). Extended oil change intervals. Meets EURO IV and EURO V standard for emission reduction. BMW Longlife-04, MB 229.51, MB 229.31, VW 504 00 / 507 00 (for Europe and North America), Porsche C30, Fiat 9.55535-S1, Audi/Volkswagen G 052 195 M2, G 052 195 M4, G 052 195 M6, BMW 83 21 0 398 507, BMW/Mini 83 21 0 398 508, Mercedes Benz 000 989 89 01 10, Chrysler MS-11106
RAVENOL RNV Art.-No.: 1111114	5W-30		C3	Synthetic low-friction motor oil with CleanSynto® technology for passenger car petrol and diesel engines based on the latest additive technology with selected base oils. It was specially developed for Renault and Dacia engines. Renault RN 17, MB 226.52
RAVENOL VSI Art.-No.: 1111130	5W-40	SP, SN Plus, CF	A3/B4	PAO (Polyalphaolefin) based, fully synthetic low friction motor oil with proven CleanSynto® technology for passenger car petrol and diesel engines with and without turbo-charging and direct injection. MB 229.3, MB 226.5, VW 502 00 / 505 00, BMW Longlife-01, Porsche A40 (except Cayenne V6), Opel GM-LL-B-025, Fiat 9.55535-H2, Chrysler MS-10850, MS-10896, RENAULT RN0700, RN0710, PSA B71 2296
RAVENOL VDL Art.-No.: 1111132	5W-40	CF	B3/B4	Fully synthetic low friction motor oil with CleanSynto® technology for passenger car diesel engines with and without turbo-charging and direct injection. MB 229.3, BMW Longlife-98, VW 505 00, Opel GM-LL-B-025, TOYOTA Common Rail, MITSUBISHI, NISSAN, Fiat 9.55535-M2
RAVENOL VMO Art.-No.: 1111133	5W-40	SN/CF	C3	Synthetic MID SAPS low friction motor oil with CleanSynto® technology for passenger car petrol and diesel engines (including pump-injection technology, DPF and TWC). Extended oil change intervals. Meets EURO IV and EURO V standard for emission reduction. Multi-Oil. MB 229.31, 229.51, VW 502 00 / 505 00 / 505 01, BMW Longlife-04, GM dexos2™, Porsche A40, Ford WSS-M2C 917-A, Fiat 9.55535-S2, Fiat 9.55535-GH2
RAVENOL HST Art.-No.: 1111147	5W-40	SP	A3/B4	Motor oil with CleanSynto® technology for passenger car petrol and diesel engines with and without turbo-charging and direct injection, formulated with synthetic base oils. Minimises friction, wear and fuel consumption with excellent cold start characteristics. Extended oil change intervals according to manufacturer's recommendation. BMW Longlife-01, RENAULT RN0700, RN0710, MB 229.3, MB 229.5, MB 226.5, Porsche A40, VW 502 00 / 505 00, Opel GM-LL-B-025, Fiat 9.55535-Z2, Chrysler MS-12991 (replaces MS-10896), MS-10850, MS-10725, PSA B71 2296
RAVENOL HCS Art.-No.: 1112105	5W-40	SN/CF	A3/B4	Synthetic low friction motor oil with CleanSynto® technology for passenger car gasoline and diesel engines with and without turbo-charging and direct injection. MB 229.3, MB 226.5, VW 502 00 / 505 00, BMW Longlife-01, Renault RN0700 / RN0710, Opel GM-LL-B-025, Porsche A40, Chrysler MS-10850, MS-10896, PSA B71 2296
RAVENOL TSJ Art.-No.: 1112106	10W-30	SP (RC), SN Plus		Semi-synthetic multigrade oil with CleanSynto® technology for year round use in gasoline and diesel engines under all operating conditions. Especially for modern Japanese and Asian cars. ILSAC GF-6A, Resource Conserving, Toyota, Nissan, Honda, Mitsubishi, Mazda, Suzuki, Isuzu, Subaru, Daihatsu, KIA, Hyundai, SsangYong, Daewoo, Fiat 9.55535-CR1, Chrysler MS-6395
RAVENOL TSi Art.-No.: 1112110	10W-40	SP/SN Plus/CF	A3/B4	Semi-synthetic low friction motor oil with CleanSynto® technology for passenger car petrol and diesel engines with and without turbo-charging and direct injection. MB 229.1, MB 229.3, BMW Special Oil, VW 501 00 / 505 00, VW 502 00 / 500 00
RAVENOL DLO Art.-No.: 1112111	10W-40	CF	A3/B4	Semi-synthetic low friction motor oil with CleanSynto® technology for passenger car diesel engines with and without turbo-charging and direct injection. MB 229.1, BMW Special Oil, VW 500 00 / 501 01 / 505 00, Porsche
RAVENOL LLO Art.-No.: 1112112	10W-40	SN/CF	A3/B4	Semi-synthetic low friction motor oil with CleanSynto® technology for passenger car petrol and diesel engines with and without turbo-charging and direct injection. MB 229.1, BMW Special Oil, VW 500 00 / 501 01 / 505 00

Engine oils/Special engine oils

Product name	Classifications			Description / Features
	SAE	API	ACEA	
RAVENOL Formel Standard Art.-No.: 1113110	10W-30	SF/CD	A2/B2	Mineral multigrade motor oil used in petrol and diesel engines with and without turbo charging in passenger cars and trucks. CCMC G4; MB 227.1; MIL-L-46152 B, MIL-L-2104 D
RAVENOL Turbo-C HD-C Art.-No.: 1113103	15W-40	CF-4/ CF/SL	A3/B4, E2	Mineral multigrade motor oil used in petrol and diesel engines with and without turbo charging in passenger cars and trucks. Extended oil change intervals until 45.000 km. MB-229.1, MAN 271, MAN 3275-1, ZF TE-ML 07C, VW 501 01 / 505 00, Allison C4, Caterpillar TO-2, Volvo VDS, MACK EO-L, MTU Type 2
RAVENOL Formel Super Art.-No.: 1113115	15W-40	SF/CD	A2/B2	Mineral multigrade motor oil used in petrol and diesel engines with and without turbo charging in passenger cars and trucks. MB 227.1, MIL-L-46152 B, MIL-L-2104 D, CCMC G4
RAVENOL Formel Extra Art.-No.: 1113120	20W-50	SF/CD	A2/B2	Mineral multigrade motor oil used in petrol and diesel engines with and without turbo charging in passenger cars and trucks. MB 227.1, MIL-L-46152 B, MIL-L-2104 D, CCMC G4
RAVENOL Super Turbo Art.-No.: 1113126	20W-50	SL/CF/ CH-4	A3/B4, E2	Mineral multigrade motor oil used in petrol and diesel engines with and without turbo charging in passenger cars. Cummins CES 20071; Deutz DQC II-10; Mack EO-M; MAN 271; MB 228.1, MB 229.1; MTU Type 1; Volvo VDS; VW 501 01/505 00
RAVENOL Super HD Art.-No.: 1113300	30	SF/CD		Mineral monograde motor oil used in petrol and diesel engines with and without turbo charging in passenger car petrol and diesel engines, trucks and stationary plants. MIL-L-46152 B, MIL-L-2104 D, MB 227.0, CCMC G4
RAVENOL Super HD Art.-No.: 1113305	50	SF/CD		Mineral monograde motor oil used in petrol and diesel engines with and without turbo charging in passenger car petrol and diesel engines, trucks and stationary plants. CCMC G2/D1, MIL-L-46152 B/C, Ford ESE-M2C 153C, Ford SMM-2C 9011A, GM 6085M
RAVENOL Break-In Oil Art.-No.: 1114105	30			Mineral break-in oil for start-up filling and the breaking-in of repaired or overhauled engines.
RAVENOL Break-In Oil Art.-No.: 1114110	20W-50			Mineral break-in-oil for the initial filling and running-in of repaired or overhauled engines with special high-pressure additives that can withstand very high pressure.

High Mileage

Product name	Classifications			Description / Features
	SAE	API	ACEA	
RAVENOL SVE Standard Viscosity Ester Oil Art.-No.: 1116101	5W-30	SN/CF	A3/B4	Semi-synthetic low friction multigrade engine oil for vehicles with petrol and diesel engines with or without turbocharging and high mileage. MB 229.5, BMW Longlife-01, VW 502 00 / 505 00 / 501 01
RAVENOL SVS Standard Viscosity Synto Oil Art.-No.: 1115100	5W-40	SN/SP	A3/B4	Synthetic low friction multigrade engine oil for vehicles with petrol and diesel engines with or without turbocharging and high mileage. MB 229.5, Porsche A40, VW 502 00 / 505 00, BMW Longlife-01, Opel GM-LL-B-025, Renault RN0700 / RN0710
RAVENOL HVT High Viscosity Turbo Oil Art.-No.: 1116102	5W-50	SN/CF	A3/B4	Synthetic high performance low friction engine oil for vehicles with petrol and diesel engine with or without turbocharging and direct injection and high mileage. Minimization of friction, wear and fuel consumption. MB 229.1
RAVENOL SVT Standard Viscosity Turbo Oil Art.-No.: 1116103	10W-40	SM/CF	A3/B4	Semi-synthetic low friction multigrade engine oil for vehicles with petrol and diesel engines with or without turbocharging and high mileage. MB 229.1, BMW Special Oil, VW 505 00/ 501 00, VW 502 00 / 500 00
RAVENOL HVE High Viscosity Ester Oil Art.-No.: 1115101	10W-50	SN/CF	A3/B4	Fully synthetic high performance low friction engine oil for vehicles with petrol and diesel engine with or without turbocharging and direct injection and high mileage. Minimization of friction, wear and fuel consumption. MB 229.1
RAVENOL HVS High Viscosity Synto Oil Art.-No.: 1115102	10W-60	SN/CF	A3/B4	Fully synthetic high performance low friction engine oil for vehicles with petrol and diesel engine with or without turbocharging and direct injection and high mileage. Minimization of friction, wear and fuel consumption. MB 229.1
RAVENOL SVP Standard Viscosity Performance Oil Art.-No.: 1117100	15W-40	SJ/CF	A3/B4	Mineral multigrade engine oil for vehicles with petrol and diesel engines with or without turbocharging and high mileage. MB 229.1, MAN 271, ZF TE-ML 07C, VW 505 00
RAVENOL HVP High Viscosity Performance Oil Art.-No.: 1116104	15W-50	SN/CF	A3/B4	Semi synthetic high performance low friction engine oil for vehicles with petrol and diesel engine with or without turbocharging and direct injection and high mileage. Minimization of friction, wear and fuel consumption. MB 229.1

Oldtimer Classic vintage car engine oils

Product name	Classifications			Description / Features
	SAE	API		
RAVENOL Oldtimer Regular Art.-No.: 1118103	30	SA	Classic 1	Mineral single grade motor oil for petrol engines without oil filter.Made from carefully selected, pure mineral raffinates. Car engines up to model year 1930.
RAVENOL Oldtimer Regular Art.-No.: 1118104	40	SA	Classic 1	Mineral single grade motor oil for petrol engines without oil filter.Made from carefully selected, pure mineral raffinates. Car engines up to model year 1930.
RAVENOL Oldtimer Regular Art.-No.: 1118105	50	SA	Classic 1	Mineral single grade motor oil for petrol engines without oil filter.Made from carefully selected, pure mineral raffinates. Car engines up to model year 1930.
RAVENOL Oldtimer Classic Art.-No.: 1118113	30	SB	Classic 1	Alloyed single grade engine oil for use in classic vehicles. Manufactured using carefully selected pure mineral raffinates and well chosen additives. Car engines up to model year 1951.
RAVENOL Oldtimer Classic Art.-No.: 1118114	40	SB	Classic 1	Alloyed single grade engine oil for use in classic vehicles. Manufactured using carefully selected pure mineral raffinates and well chosen additives. Car engines up to model year 1951.
RAVENOL Oldtimer Classic Art.-No.: 1118115	50	SB	Classic 1	Alloyed single grade engine oil for use in classic vehicles. Manufactured using carefully selected pure mineral raffinates and well chosen additives. Car engines up to model year 1951.
RAVENOL Oldtimer 50-er Art.-No.: 1119106	20W-50	SC	Classic 2	Alloyed multigrade engine oil designed for use in classic vehicles. Manufactured using carefully selected pure mineral raffinates and well chosen additives. Car engines up to model year 1967.
RAVENOL Oldtimer 70-er Art.-No.: 1119116	20W-50	SE	Classic 2	Alloyed multigrade engine oil designed for use in classic vehicles. Manufactured using carefully selected pure mineral raffinates and well chosen additives. Car engines up to model year 1979.

Natural gas engine oils

Product name	Classifications			Description / Features
	SAE	API	ACEA	
RAVENOL VEG Art.-No.: 1131100	5W-40	SP/SN Plus	A3/B4	Fully synthetic high alloyed motor oil for natural gas engines. Natural gas engines
RAVENOL TEG Gasmotorenöl Art.-No.: 1132100	10W-40	SL/CF	A3/B3	Semi synthetic high alloyed motor oil for natural gas engines. Natural gas engines
RAVENOL MGS Gasmotorenöl Art.-No.: 1133100	15W-40	CF-4/SJ	A3/B4, E2	High performance mineral multi grade motor oil used in natural gas engines. MB 226.9, TEDOM Group 1P (61-0-0281.2)
RAVENOL Gasmotorenöl Art.-No.: 1133105	40			Mineral motor oil for lubrication of 4-stroke natural gas engines for gases with low sulfur content. Application for natural gas, biogas and sewage gas.

Rallye/Racing oils – USVO®

Product name	Classifications			Description / Features
	SAE	API	ACEA	
RAVENOL RSP Racing Super Performance Art.-No.: 1141089	5W-30		A3/B4	Modern fully synthetic fuel-saving multigrade engine oil with USVO® Technology based on the highest quality Ester and Poly-Alpha Olefin technology. Specially formulated for use in competition and motorsport engines operating in the most operating conditions. VW 502 00 / 505 00, MB 229.5, BMW Longlife-01, Renault RN 0700/ RN0710, Racetrack Partnerships: Nürburgring Tested, Hockenheim Premium Partner, recommended by Ralf Schumacher
RAVENOL REP Racing Extra Performance Art.-No.: 1141088	5W-30	SN	C3	Modern fully synthetic fuel-saving multigrade engine oil with USVO® Technology with a low sulfate ash content and a reduced HTHS viscosity. Specially formulated for daily use and for use in motorsport engines operating in the most operating conditions. MB 229.51, MB 229.52, MB 226.5, BMW Longlife-04, Renault RN 0700 / RN 0710, GM dexos2™, Opel OV 040 1547 - D30, Chrysler MS-11106, Fiat 9.55535-S2/-GH2, Opel OV 0401547-G40/D40, Racetrack Partnerships: Nürburgring Tested, Hockenheim Premium Partner, recommended by Ralf Schumacher
RAVENOL RUP Racing Ultra Performance Art.-No.: 1141091	5W-40	SP	C3	Modern, fully synthetic, fuel-saving, low friction multigrade engine oil with low sulphated ash content and USVO® Technology for extremely sportly driving styles and for car racing. MB 229.51, BMW Longlife-04, VW 511 00 / 502 00 / 505 00 / 505 01, Porsche C40, Renault RN 0710, GM Dexos2™, Ford WSS-M2C917A, Fiat 9.55535-GH2, Fiat 9.55535-S2, Racetrack partnerships: Nürburgring Tested, Hockenheim Premium Partner, recommended by Ralf Schumacher
RAVENOL RCS Racing Competition Synto Art.-No.: 1141090	5W-40			High performance fully synthetic engine oil with USVO® Technology especially developed to maximise power release whilst giving ultimate protection in both race, rallye and Off-Road applications. Use as an upgrade where an SAE 5W-30 was originally specified by the vehicle manufacturer. Racetrack partnership: Nürburgring Tested, Hockenheim Premium Partner, recommended by Ralf Schumacher, Opel Motorsport
RAVENOL RRS Racing Rally Synto Art.-No.: 1142100	5W-50			Fully synthetic multigrade engine with USVO® Technology oil based on the highest quality Ester and Poly-Alpha Olefin technology. Specially formulated for use in competition and motorsport engines operating in the most operating conditions. Racetrack partnership: Nürburgring Tested, Hockenheim Premium Partner, recommended by Ralf Schumacher, Opel Motorsport
RAVENOL RSE Racing Sport Ester Art.-No.: 1141105	10W-50			Fully synthetic multigrade engine with USVO® Technology oil based on the highest quality Ester and Poly-Alpha Olefin technology. Specially formulated for use in competition engines using low friction technology but providing a better viscosity at high operating temperatures. Racetrack partnership: Nürburgring Tested, Hockenheim Premium Partner, recommended by Ralf Schumacher, Opel Motorsport
RAVENOL RSS Racing Sport Synto Art.-No.: 1141100	10W-60			Fully synthetic multigrade engine oil with USVO® Technology based on the highest quality Ester and Poly-Alpha Olefin technology. Recommended for all Motorsport applications requiring a thicker grade of oil. Uses latest low friction technology to ensure maximum release of power. Areas of application: ADAC GT masters, FIA F3 EUROPEAN Championship Racetrack partnership: HOCKENHEIMRING, Nürburgring
RAVENOL RFS Racing Formel Sport Art.-No.: 1142105	15W-50			Synthetic multigrade engine oil with USVO® Technology based on the highest quality Ester and Poly-Alpha Olefin technology. Specially formulated for use in Motorsport applications providing maximum release of power with ultimate engine protection. Racetrack partnership: Nürburgring Tested, Hockenheim Premium Partner, recommended by Ralf Schumacher, Opel Motorsport

Product name	Classifications			Description / Features
	SAE	API	ACEA	
RAVENOL RHV Racing High Viscosity Art.-No.: 1141101	20W-60			Fully synthetic multigrade engine oil with USVO® Technology based on the highest quality Ester and Poly-Alpha Olefin technology. Recommended for all Motorsport applications requiring a thicker grade of oil. Uses latest low friction technology to ensure maximum release of power. Racetrack partnership: Nürburgring Tested, Hockenheim Premium Partner, recommended by Ralf Schumacher, Opel Motorsport
RAVENOL Racing Gear Oil Art.-No.: 1221111		GL-5+LS		Fully synthetic transmission oil with USVO® Technology, especially developed for and approved by Drexler transmissions in Germany. Ideal for highly stressed differentials. Reduces foaming, increases thermal stability and provides ultimate wear protection. Drexler limited slip differential (Clutch-type limited-slip differential) in BMW Alpina B5, B6, GT3, GT4, M3, Z4 and World Touring Car Championship (WTCC), Chrysler Viper GT3, Corvette Z06, Fiat Abarth, Lamborghini Murcielago, Mercedes AMG C 63, CLS 63, E 63, SL 63, SLS
RAVENOL RHP Racing High Performance Gear Art.-No.: 1145100	75W-90			Fully synthetic transmission oil with USVO® Technology especially developed for racing cars. It provides outstanding wear protection and thermal stability. Especially suitable for front wheel drive applications. Racetrack partnership: Nürburgring Tested, Hockenheim Premium Partner, recommendation of Ralf Schumacher, Opel Motorsport
RAVENOL Racing Kart 2T Art.-No.: 1144100				Fully synthetic, no-compromise two-stroke racing oil which carries full FIA-CIK Homologation and Approval. Based on wide experience in karting, road racing and motocross, it has been developed and tested worldwide under the harshest conditions, including on Grand Prix circuits. Fully synthetic, uncompromising 2-stroke racing oil. Tested globally under the most difficult conditions on Grand Prix tracks in karting, road racing and motocross racing. FIA-CIK Homologation
RAVENOL Racing Castor 2T Art.-No.: 1144101				Two-stroke Kart oil with castor technology and ester synthetic additives for 2-stroke engines with methanol and ethanol as fuel, e.g. Kart engines and Speedway engines. Miscible with petrol, methanol and ethanol. Do not mix with mineral and synthetic two-stroke motor oils. Recommended mixing ratio 20:1. FIA-CIK Homologation
RAVENOL Racing Brake Fluid R 325+ Art.-No.: 1350604				Very heavy-duty high-performance brake fluid with a very high wet boiling point especially developed for Motorsport (cars and motorcycles) and similar high temperature applications. Exceeds the requirements FMVSS 116 DOT 4, DOT 5.1, SAE J1703, SAE J1704

Rallye-/Racing oils, CO₂ neutral with Biosyntolub®

Product name	Classifications			Description / Features
	SAE	API	ACEA	
RAVENOL Racing Eco Competition REC Art.-No.: 1143101	0W-40	CF/SN	A3/B4	Fully synthetic fuel-efficient multigrade engine oil based on renewable vegetable raw materials. USDA, Ford WSS-M2C937-A, MB 226.5, MB 229.3, MB 229.5, Porsche A40, Renault RN0700, Renault RN0710
RAVENOL Racing Eco Track RET Art.-No.: 1143103	5W-40	CF/SP	C3	Fully synthetic fuel-efficient multigrade engine oil based on renewable vegetable raw materials. USDA
RAVENOL Racing Eco Rally RER Art.-No.: 1143102	5W-50	CF/SN	A3/B4	Fully synthetic fuel-efficient multigrade engine oil based on renewable vegetable raw materials. USDA
RAVENOL Racing Eco Synthetic RES Art.-No.: 1143100	10W-60	CF/SN	A3/B4	Fully synthetic fuel-efficient multigrade engine oil based on renewable vegetable raw materials. USDA
RAVENOL Racing Eco Gear REG Art.-No.: 1145011	75W-90	GL-5+LS		Fully synthetic multi-grade hypoid gear oil for manual transmissions based on renewable vegetable raw materials. USDA, ZF TE-ML 07A, ZF TE-ML 08
RAVENOL Racing Gear Oil Eco RGE Art.-No.: 1145010	75W-140	GL-5+LS		Fully synthetic multi-grade hypoid gear oil for manual transmissions based on renewable vegetable raw materials. USDA, ZF TE-ML 07A, ZF TE-ML 08

Commercial Vehicle engine oils

Product name	Classifications			Description / Features
	SAE	API	ACEA	
RAVENOL LDD Light Duty Diesel Art.-No.: 1121107	0W-20	SP/ SN Plus	C5	Synthetic diesel engine oil for light vans, commercial vehicles and small trucks. It is formulated based on the latest additive technology and with high quality hydrocrack base oils. Jaguar Land Rover STJLR 03.5006, Ford WSS-M2C952-A1, GM DexosD, MB 229.71, Opel OV 040 1547 - A20
RAVENOL TFE Truck Fuel Efficiency Art.-No.: 1121130	5W-20			Synthetic high-performance diesel engine oil with CleanSynto® technology and reduced HTHS viscosity for the latest generation of MAN and Scania trucks. MAN M 3977, Scania LDF-5
RAVENOL FET Fuel Efficiency Truck Art.-No.: 1121105	5W-30	SN/FA-4	F01	Synthetic Fuel Economy Longlife multigrade engine oil with an HTHS viscosity between 2.9 cP and 3.2 cP, designed specifically for the latest generation of turbo diesel commercial vehicle engines. MB 228.61, Cummins CES 20087; DDC 93K223, Renault Trucks RLD-5, Volvo VDS-5, DTFR 15C130, Mack EOS-5
RAVENOL Super Performance Truck Art.-No.: 1122102	5W-30	CF/CI-4	E4, E7	USHPD low friction motor oil for commercial vehicle. Oil change interval up to over 100.000 km. All year recommended for EURO I, II, III, IV and EURO V engines. MB 228.5, MB 235.28, MTU Type 3, MAN M3277, Volvo VDS-3, Cummins CES 20076, -77, -78, Renault RXD, IVECO, MACK EO-M Plus, Voith Retarder B, Global DHD-1, JASO DH-1, SCANIA LDF-3, DTFR 13D110 (MB 235.28), DTFR 15B120 (MB 228.5)
RAVENOL Super Synthetic Truck Art.-No.: 1121101	5W-30	CI-4	E7, E6, E4, E8, E9, E11	All-season fully synthetic “Low SAPS” lorry motor oil. For use in EURO 4 and EURO 5 engines along with low-sulphur diesel. Suitable for use in engines with or without particle filter and catalytic converter. Cummins CES 20076 / 20077, DAF HP-2, Deutz DQC-III-10LA, MAN M 3277, MAN M 3477, MB 228.51, MB 226.9, MTU Type 3.1, Scania LDF, Volvo VDS-3, Renault RLD-2, RXD, Mack EO-N, JASO DH-2, DTFR 15C110 (MB 228.51)



Product name	Classifications			Description / Features
	SAE	API	ACEA	
RAVENOL Ultra Synthetik Truck Art.-No.: 1121102	5W-30	CJ-4, CK-4, SN	E4, E6, E7, E8, E9, E11	Synthetic fuel economy “Low SAPS” year-round multigrade diesel engine oil based on the latest additive technology combined with very special base oils. Suitable for use in heavy diesel engines even under the toughest operation conditions and all the year round. Caterpillar ECF-3, Cummins CES20081, Detroit Diesel 93K218, Deutz DQC IV-18 LA, MAN M 3271-1, MAN 3297-1, MAN M 3477, MAN M 3575, MAN M 3677, MAN 3691, MB 228.51, MB 228.31, MTU Type 3.1, MTU Type 2.1, Volvo VDS-4.5, Renault VI RLD-3, Mack EO-O 4.5, Scania LowAsh, Scania LDF-4, JASO DH-2, Volvo CNG, DAF, Voith Retarder B, DTFR 13D110 (MB 235.28), DTFR 15C100 (MB 228.31), DTFR 15C110 (MB 228.51)
RAVENOL EDT Extra Duty Truck Art.-No.: 1121106	5W-30	CK-4/SN	E6, E7, E9	Synthetic fuel economy “Low SAPS” year-round multigrade diesel engine oil based on the latest additive technology combined with very special base oils. Suitable for use in heavy diesel engines even under the toughest operation conditions and all the year round. Caterpillar ECF-3; Cummins CES20086; Detroit Diesel 93K222; Deutz DQC IV-18 LA; Ford WSS-M2C213-A; JASO DH-2; Mack EOS-4.5; MAN M3677, MAN M 3477, MAN M 3775, MAN M 3271-1; MB 228.51, MB 228.52; MTU Type 3.1; Scania LDF-4; Renault VI RLD-3, Volvo VDS-4.5, DTFR 15C110, DTFR 15C120
RAVENOL NDT Nord Duty Truck Art.-No.: 1122103	5W-40	CJ-4/SM	E7, E9	All-season multigrade engine oil for use in heavy duty commercial vehicle diesel engines with optimized exhaust systems. Extended oil change intervals. Volvo VDS-4, Renault RLD-3, Mack EO-O Premium plus, MTU Type 2, Cummins CES 20081, Detroit Diesel Corporation (DDC) DFS93K218, DFS93K215, DFS93K214, Chrysler MS-10902,Ford WSS-M2C171-E
RAVENOL UDT Ultra Duty Truck Art.-No.: 1121110	10W-30	CK-4, CJ-4, CI-4, SN	E6, E7, E8, E9, E11	Synthetic fuel-saving “low SAPS” truck engine oil formulated using the latest additive technology with very particular base oils. Specially developed for diesel engines subjected to the toughest conditions in all seasons. Volvo VDS-4.5, Renault VI RLD-3, Mack EOS-4.5, MB 228.51, MTU Type 3.1, Cummins CES 20081, Deutz DQC IV-10 LA, Detroit Diesel DFS93K218, Caterpillar ECF-3, DTFR 15C110 (MB 228.51)
RAVENOL SDT Super Duty Truck Art.-No.: 1121120	10W-40	CK-4, CJ-4	E6, E7, E9	Synthetic fuel-saving “low SAPS” truck engine oil formulated using the latest additive technology with very particular base oils. Specially developed for diesel engines subjected to the toughest conditions in all seasons. MB 228.51, Volvo VDS-4.5, Renault VI RLD-3, Mack EOS-4.5, Cummins CES 20086; Caterpillar ECF-3; DAF Extended Drain; Detroit Diesel DDC 93K222; Deutz DQC IV-18 LA; IVECO 18-1804 Classe TLS E9; JASO DH-2; MAN M 3477; MTU Type 3.1; Scania Low Ash, DTFR 15C110
RAVENOL Expert SHPD Art.-No.: 1121104	5W-30	CI-4, SL	E3, E5, E7, A3/B4	High-alloyed SHPD low-friction engine oil for commercial vehicles with synthetic base oils. Caterpillar ECF-2, ECF-1a; Cummins CES 200071, - 72, -76, -78; DDC 93K215; DEUTZ DQC III-10; Global DHD-1; MACK EO-N, MACK EO-M Plus; MAN M 3275-1; MB 228.1, MB 228.3, MB 228.5, MB 229.1, MB 235.28; MTU Type 2; Renault VI RLD-2; Volvo VDS 3, DTFR 13D110 (MB 235.28), DTFR 15B110 (MB 228.3), DTFR 15B120 (MB 228.5)
RAVENOL Expert SHPD Art.-No.: 1122105	10W-40	CI-4, SL	E4, E7, A3/B4	Universal low friction motor oil for high performance suction and turbo diesel engines. Longest oil change intervals. MB 228.3, MB 229.1, Cummins CES 20071, -72, -76, -77, -78, DEUTZ DQC III-10, MAN M 3275-1, MACK EOM-Plus, MACK EO-N, MTU Type 2, Renault VI RLD-2, TEDOM 258-3 (61-0-0258), Volvo VDS 3, YaMZ, SCANIA LDF, Global DHD-1, VW 500 00, 505 00, Caterpillar TO-2, Allison C4, Voith Retarder B, IVECO, DAF, DTFR 15B110
RAVENOL Performance Truck Art.-No.: 1122106	10W-40	CF/CI-4	E4, E7, A3/B4	Semi-synthetic multi grade low friction diesel engine motor oil, UHPD High performance motor oil. Suitable for longest oil change intervals. MB 228.5, MAN M 3277, MTU Type 3, Volvo VDS-3, Renault RVI RXD/RLD-2, TEDOM 258-4 (61-0-0258), DAF HP1/2, DEUTZ DQC III-10, SCANIA LDF 2, MACK EO-N, Cummins CES 20076, -77, -78, JASO DH-1 (JASO M355:2000), Voith Retarder B, Global DHD-1, SCANIA LDF-3, DTFR 15B120, DTFR 13D100 (MB 235.27), DTFR 13D110 (MB 235.28)
RAVENOL EURO IV Truck Art.-No.: 1122107	10W-40	CI-4	E6, E7	Universal low friction motor oil based on synthetic PAO- and HC-Base oils, for high performance suction and turbo diesel engines. Also suitable for gasoline engines. Recommended for EURO I, II, III, IV and EURO V engines. MB 228.51, MAN M 3477, MTU Type 3, MTU Type 3.1, Renault RXD, Volvo VDS-3, Mack EO-N, Renault VI RLD-2, Scania LDF, Deutz DQC IV-10 LA, DAF HP-2, MAN M3277 (CRF, exhaust gas return system), DTFR 15C110, TATRA TDS 30/12

Product name	Classifications			Description / Features
	SAE	API	ACEA	
RAVENOL EURO VI Truck Art.-No.: 1122108	10W-40	CJ-4/SN	E9	Semi-synthetic fuel economy “Low SAPS” year-round multigrade diesel engine oil based on the latest additive technology combined with very special base oils. Deutz DQC IV-10 LA, MB 228.51, Cummins CES 20076/77, MAN M 3477, M 3271-1, MTU Type 3.1 (all MTU engines, except series 1000, 1100, 1300, 1500, 1800, 8000, 956, 1163 TB32 Genset and S 60) , MTU Type 3, VOLVO VDS-3, Renault RLD-2, RXD, MACK EO-N, Scania LDF-2, Chrysler MS-10902, Ford WSS-M2C171-E, DTFR 15C110
RAVENOL Low Emission Truck Art.-No.: 1122111	10W-30	CJ-4, CK-4	E6, E7, E9, E11	Heavy Duty engine which fulfils API CJ-4 requirements and is formulated with unique low SAPS high performance additives in combination with special selected base oils. JASO DH-2, MB 228.51, MAN M3677, Volvo VDS-4 (STD 417-0001), Renault Trucks RLD-3, MTU Type 3.1, Deutz DQC IV-10 LA, Cummins CES 20081, Mack EO-O PP (Premium Plus), Detroit Diesel DDC 93K218, Caterpillar ECF-3, DTFR 15C110 (MB 228.51)
RAVENOL Low Emission Truck Art.-No.: 1122109	10W-40	CK-4, CJ-4	E4, E6, E7, E8, E9, E11	All-season multigrade SHPD engine oil (Super High Performance Diesel), which has been developed to the exhaust emission standards Euro 5 and Euro 6 and is used in extremely heavy duty commercial vehicle diesel engines. Caterpillar ECF-3; Cummins CES 20081; DAF; Detroit Diesel DDC 93K218; Deutz DQC IV-10 LA; JASO DH-2; MAN M 3575, M 3477, M 3271-1, Mack EO-O Premium Plus; MB 228.31, MB 235.28, MB 228.51, MTU Type 2.1, MTU Type 3.1; Renault VI RLD-3; Scania Low Ash; VOITH Klasse B; Volvo VDS-4, DTFR 15C110, DTFR 15C100, DTFR 13D110 (MB 235.28)
RAVENOL Super Low Emission Truck Art.-No.: 1123216	15W-40	CK-4/SN	E7, E9, E11	Mineral multi grade truck engine oil with highest performance. All-year engine oil for diesel engines with or without turbo charging, for trucks, busses and work machines. Enhanced performance and cleanness of the engines. Caterpillar ECF-3, Cummins CES 20081/20086, Detroit Diesel DDC93K218, DDC93K222, Deutz DQC-III 10 LA, IVECO; JASO DH-2; MAN M3275, M3575, MB 228.31, MTU Type 2.1, Volvo VDS-4.5, Mack EOS-4.5, Renault VI RLD-3, DTFR 15C100
RAVENOL Low Emission Truck Art.-No.: 1123100	15W-40	CJ-4/SN	E7, E9, E11	Semi Synthetic multi grade truck engine oil with highest performance. For use in EURO 5 engines with exhaust systems (EGR, SCR, DPF, DPD, DPR), EURO 3 and EURO 4 engines. Enhanced performance and cleanness of the engines. MB 228.31, Volvo VDS-4, Mack EO-O Premium Plus, Renault VI RLD 3, DFS 93K214, DFS 93K218, Cummins CES 20081, Ford WSS-M2C171-E, TATRA TDS 30/12, MAN M3575, MAN M 3477, MAN M 3271-1, MTU Type 2.1, Caterpillar ECF-2/-3, JASO DH-2, Japan Ultra-Low PM Emission Diesel, EURO IV and EURO-V, U.S. EPA Tier 3 emissions regulation, Chrysler MS-10902, John Deer JDQ-78X Oxidations Test, DTFR 15C100 (MB 228.31)
RAVENOL TRE Truck Resource Conserving Art.-No.: 1122112	10W-30	FA-4	F01	Semi-Synthetic Fuel Economy Longlife multigrade engine oil with an HTHS viscosity of between 2.9 cP and 3.2 cP which has been specially developed for the latest generation of turbodiesel commercial vehicle engines. Cummins CES 20078, Mack EO-O PP (Premium Plus)
RAVENOL Turbo-Plus SHPD Art.-No.: 1123105	10W-30	CI-4/SL	E3, E5, E7, A3/B4	Mineral SHPD-motor oil for mixed fleet of diesel and gasoline engines also with turbochargers. Specially designed for extended oil change intervals. Caterpillar ECF-2, TO-2; Cummins CES 20071, -72, -76, -77, -78; DAF; DDC 93K215; Deutz DQC III-10; Global DHD-1; JASO DH-1; Mack EO-N; MAN M 3275-1; MB 228.3; MTU Type 2, MTU Type 3; Renault RLD, Renault VI RLD-2; Volvo VDS 3; YAMZ, DTFR 15B110 (MB 228.3)
RAVENOL Turbo-Plus SHPD Art.-No.: 1123115	15W-40	CI-4+/SL	E7, A3/B4	Mineral SHPD-motor oil for mixed fleet of diesel and gasoline engines also with turbochargers. Specially designed for extended oil change intervals. MB 228.3, MB 229.1, MAN M3275-1 (Multigrades), Volvo VDS-3, MTU Type 2, STEYR Motor GAZ 560, YaMZ, Cummins CES 20076, -77, -78, Renault RLD/RLD-2, ZF TE-ML 07C, Scania LDF-2, TEDOM 258-3 (61-0-0258), JASO DH-1 (D049RAV123), Deutz DQC III-10, Global DHD-1, Mack EO-M, EO-M Plus, IVECO, Allison C4, Caterpillar TO-2, John Deere JDQ 78A, DTFR 15B110
RAVENOL Turbo-Plus SHPD Art.-No.: 1123120	20W-50	CI-4, SL/CF	E7, A3/B4	Mineral SHPD-motor oil for mixed fleet of diesel and gasoline engines also with turbochargers. Specially designed for extended oil change intervals. Allison C4; Caterpillar ECF-1a, ECF-2; Cummins CES 20071, -72, -76, -77, -78; DDC 93K215; Deutz DQC III-10; Global DHD-1; JASO DH-1; Mack EO-M Plus; MAN M 3275-1; MB 228.3, MB 229.1; MTU Type 2, Type 3; Renault VI RLD, RLD-2; Volvo VDS-3, DTFR 15B110 (MB 228.3)

Product name	Classifications			Description / Features
	SAE	API	ACEA	
RAVENOL Formel Diesel Super Art.-No.: 1123205	10W-30	CF-4/CF	E2, B4	High-alloyed HD motor oil formulated with selected additives for diesel engines with or without turbo charger. Extended oil change intervals. MB 228.1, VW 505 00, MAN 271, Volvo VDS, MTU Type 2, ZF TE-ML 07C, Cat. TO-2, Allison C4
RAVENOL Formel Diesel Super Art.-No.: 1123215	15W-40	CF-4	E2, B4	High performance multi grade motor oil for diesel engines with or without turbo charger. Extended oil change intervals. MB 229.1, MAN 271, ZF TE-ML 07C, VW 505 00, Allison C4, Cat. TO-2, VOLVO VDS, MACK EO-L, Renault RD-2/RLD, TEDOM 258-2 (61-0-0258)
RAVENOL Formel Diesel Super Art.-No.: 1123220	20W-50	CH-4, CF-4	E2, A3/B4	High-alloyed HD engine oil formulated with selected additives for diesel engines with or without turbo charger. Allison C4; Cat. TO-2; MAN 271; MB 228.1; Volvo VDS; VW 505 00
RAVENOL Spezial Diesel Art.-No.: 1113310 Art.-No.: 1113311	10W-30 15W-40	CD	B2	Multigrade motor oil for diesel engines with and without turbo charging. All year lubrication at different conditions. CCMC G4, MB 227.1, MIL-L-46152 B, MIL-L-2104 D
RAVENOL Super Truck Art.-No.: 1123710	10W	CF-4	E2, B4	High-alloyed HD engine oil with synthetic additives for diesel engines of trucks with or without turbo charger. MB 228.0, MAN 270, MTU Type 1, VOITH DIWA
RAVENOL Super Truck Art.-No.: 1123715	20W-20	CF-4	E2, B4	High-alloyed HD engine oil with synthetic additives for diesel engines of trucks with or without turbo charger. MB 228.0
RAVENOL Super Truck Art.-No.: 1123720	30	CF-4/SG	E2, B4	High-alloyed HD engine oil with synthetic additives for diesel engines of trucks with or without turbo charger. MB 228.0, MAN 270, ZF TE-ML 02C, 02H, 03A, 03C, 04B, 07F, MTU Type 1, Allison C-4, Caterpillar TO-2, Deutz DQC I-02, MIL-L-2104 D
RAVENOL Super Truck Art.-No.: 1123725	40	CF-4/SG	E2, B4	High-alloyed HD engine oil with synthetic additives for diesel engines of trucks with or without turbo charger. MB 228.0, MB 235.12, MAN 270, ZF TE-ML 02H, 04A, 04B, MTU Type 1, Allison C-4, Caterpillar TO-2, Deutz DQC I-02, MIL-L-2104D
RAVENOL Super Truck Art.-No.: 1123726	50	CF-4/SG	E2, B4	High-alloyed HD engine oil with synthetic additives for diesel engines of trucks with or without turbo charger. MB 228.0, ZF TE-ML 04B, 04E, Allison C-4, Caterpillar TO-2, Deutz DQC I-02, MIL-L-2104D
RAVENOL Standard Truck Art.-No.: 1123610	10W	CF/SF	E2, B4	Universal mineral monograde motor oil used in diesel engines with and without turbo charging in trucks. Also suitable for stationary plants. MB 227.0, Caterpillar TO-2, Allison C4, MIL-L2104 E, MAN 270, MTU Type 1, Voith Retarder A, Voith DIWA, ZF TE-ML 02C, 03B, 04B, 06A, 07D
RAVENOL Standard Truck Art.-No.: 1123620	30	CF/SF		Universal mineral monograde motor oil used in diesel engines with and without turbo charging in trucks. Also suitable for stationary plants. MTU Type 1 (DDC BR 2000 & 4000), MB 227.0, Caterpillar TO-2, Allison C4, MIL-L2104 E, MAN 270, VOITH Retarder A, VOITH DIWA, ZF TE-ML 02C, 03B, 04B, 06A, 07D
RAVENOL Standard Truck Art.-No.: 1123625	40	CF/SF		Universal mineral monograde motor oil used in diesel engines with and without turbo charging in trucks. Also suitable for stationary plants. MTU Type 1 (DDC BR 2000 & 4000), MB 227.0, Caterpillar TO-2, Allison C4, MIL-L2104 E, MAN 270, VOITH Retarder A, VOITH DIWA, ZF TE-ML 02C, 03B, 04B, 06A, 07D

Agricultural machinery oils

Product name	Classifications			Description / Features
	SAE	API	ACEA	
RAVENOL STOU Art.-No.: 1310100	10W-30	SF/CG-4, GL-4, HLP ISO VG 68	E3	Special oil type STOU for agricultural machines, excavators and construction equipment. For use in engines, transmissions, hydraulic systems and compressors. Engine Oil: SAE 10W-30, API CG-4/SF, ACEA E3, MB 227.1, MB 228.1, MB 228.3, New Holland / Ford ESN-M2C-134 B/C/D, -159B/86B, MIL-L-2104 D, DTFR 15B110 (MB 228.3); Transmission Oil: SAE 80W, API GL-4, Allison C-4, Caterpillar TO-2, ZF TE-ML 03A, 05K, 06B, 07B, 07D, MAN 270; Hydraulic Oil: HLP ISO VG 68; Special Tractor Oil: John Deere J 27, Massey-Ferguson M1135, M1139, M1144; Compressor Oil: Holman Compair Compressor, Atlas Copco Compressor
RAVENOL STOU Art.-No.: 1310108	5W-30	GL-4, CG-4/SF	E2	Special oil type STOU for agricultural machines, excavators and construction equipment. For use in engines, transmissions and hydraulic systems. MB 227.1, MB 228.1, MB 228.3, John Deere J27, Massey Ferguson M 1139 / M 1144 / M 1145, Allison C4, Caterpillar TO-2, MIL-L-2104D, ZF TE ML 06A, 06B, 06C, 06D, 07B, Ford ESN-M2C 159B
RAVENOL STOU Art.-No.: 1310114	20W-40	SF/CF-4, GL-4/CG-4	E3	Special oil type STOU for agricultural machines, excavators and construction equipment. For use in engines, transmissions and hydraulic systems. Ford M2C-159C, MF M-1143 / 1144, ZF TE-ML 06B, 07B, Allison C4, Cat. TO-2, Ford M2C 86A/134D, John Deere J 27, NH 420A / NH 410B, MB 227.1
RAVENOL CATOEL TO-4 Art.-No.: 1310610 Art.-No.: 1310613 Art.-No.: 1310614	10W 30 40	CF, MT-1		Specific oil for construction vehicles and tractor vehicles. Caterpillar TO-4, TO-4M, Allison C4, Komatsu KES 07.868.1 (2002), Eaton Fuller, ZF TE-ML 03C, 07F (ZF001852)
RAVENOL CATOEL TO-4 Art.-No.: 1310615 Art.-No.: 1310616	50 60	CF		Specific oil for construction vehicles and tractor vehicles. Caterpillar TO-4, Allison C4, Komatsu Micro Clutch, Eaton Fuller, ZF TE-ML 03C, 07F
RAVENOL UTTO Synthetic Art.-No.: 1310712		GL-4		Syntetic ombined transmission and hydraulic oil on the basis of solvent refined base oils. Suitable for wet brakes of load change couplings and minor drives. Allison C4, Caterpillar TO-2, CNH 410 B, CNH MAT 3506, CNH MAT 3525, CNH MS 1206, CNH MS 1210, Deutz-Allis AC Power Fluid 821 XL, FNHA-2-C201.00, Ford ESN-M2C 86 B, Ford ESN-M2C-134 D, John Deere J20C, J21A, Massey Ferguson CMS M1135, CMS M1141, CMS M1143, CMS M1145, Renault 180596, SDFG OT-1891A, VOLVO B6M WB 101 (BM Valmet AWB Achsen), White Farm (AGCO) Q-1802, White Farm (AGCO) Q-182616, ZF TE-ML 03E, 05F, 06K, 06R, 06S, 17E, 21F
RAVENOL Getriebeöl UTTO Art.-No.: 1310700		GL-4		Mineral gearoil for use in hydraulic and transmission systems of tractors. ZF TE-ML 03E, 05F, 06K, 17E, 21F, HVLP (DIN 51524 part 3), John Deere J 20 C, J21A, FNHA-2-C201.00, Ford ESN-M2C 86B/C/134 D, Massey Ferguson CMS M1135, M 1141/M 1143/M 1145, Case IH-MS 1206/1207/1210, Caterpillar TO-2, SDFG OT-1891A, Allison C-4, Volvo B6M WB 101 (BM Valmet, AWB Achsen), Renault 180596, MAT 3505/3506/3525, NH 410B, White Farm (AGCO) Q- 1802/-182616, Deutz-Allis AC Power Fluid 821 XL
RAVENOL UTTO CVT Fluid Art.-No.: 1310715	80W	GL-4		Mineral gearoil for use in hydraulic and transmission systems of tractors. Allison C4, Argo VT-DRIVE, Case ICH CVXDrive, Case IH-MS 1206, Case IH-MS 1207, Case IH-MS 1209, Caterpillar TO-2, CNH MAT 3505, CNH MAT 3525, CNH MAT 3540, Deutz-Fahr (SDF) T3500 CVT, Deutz-Fahr (SDF) T5400 CVT, Fendt Vario CVT Transmissions, Ford ESN-M2C-134 D, Ford ESN-M2C 86 C, John Deere J20C, Kubota – UDT Fluid, Massey Ferguson M1141, Massey Ferguson M1143, Massey Ferguson M1145, New Holland CVT, NH 410B, Sauer Sunstrand/ Danfoss (hydrostatic trans fluid), Sperry Vickers/ Eaton M2950S/I-280S, Valtra G2-08, VOLVO VDS CVT Transmission, VOLVO WB 101, ZF TE-ML 03E, ZF TE-ML 05F, ZF TE-ML 06E, ZF TE-ML 06F, ZF TE-ML 06K, ZF TE-ML 17E, ZF TE-ML 21F

Product name	Classifications			Description / Features
	SAE	API	ACEA	
RAVENOL STOU Art.-No.: 1310111	10W-40	SF, CG-4, GL-4, HVLP ISO VG 68-100	E3	Special oil type STOU for agricultural machines, excavators and construction equipment. For use in engines, transmissions and hydraulic systems. Engine oil: MB 227.1, MB 228.1, MB 228.3, New Holland NH 410B, Ford ESN-M2C-134 B/C/D, Ford ESN-M2C-159 B/C, MIL-L-2104 D, DTFR 15B110 (MB 228.3); Transmission oil: SAE 80W, 85W, 80W-90, 85W-90, API GL-4, Allison C-4, Caterpillar TO-2, ZF TE-ML 06A, 06B, 06C, 06D, 07B, MAN 271; Special Tractor Oil: John Deere J20C/D, J27, Massey-Ferguson M1139, M1144, M1145, CASE IH-MS 1209, FENDT KDM 41.2011, MAT 3525; Compressor Oil: Holman Compair compressor; Atlas Copco compressor
RAVENOL STOU Art.-No.: 1310112	15W-30	CE / SF, GL-4, HLP ISO VG 68	E1 / E2	Special oil type STOU for agricultural machines, excavators and construction equipment. For use in engines, transmissions and hydraulic systems. SAE 80W, API GL-4, MIL-L-2105, Allison C4, Caterpillar TO-2, ZF TE-ML 06B, 07B, HLP ISO VG 68, Vickers-Pumpentest, Ford-Pumpentest, Denison HF 2, John Deere J27 A, J20 C/D, Ford NH 024C, 324B, 540B, Massey-Ferguson M 1127, M 1139, M 1144, Case International J I, Case MS 1118/1209/1206, FIAT AF 87, International Harvester B6, Holman Compair Compressor, Atlas Copco Compressor
RAVENOL STOU Art.-No.: 1310113	15W-40	SF / CE / CF-4, GL-4	E1, CCMC G2 / D4	Special oil type STOU for agricultural machines, excavators and construction equipment. For use in engines, transmissions and hydraulic systems. Ford M2C-159C, MF M-1143 / 1144, ZF TE-ML 06B, 07B, Allison C4, Cat. TO-2, Ford M2C 86A/134D, John Deere J 27, NH 420A / NH 410B, MB 227.1



Motorbikes and accessories

Product name	Classifications			Description / Features
	SAE	API	Specification	
RAVENOL Racing 4-T Motobike Art.-No.: 1171106	10W-40	SN	JASO MA2	Fully synthetic 4-stroke motorcycle engine oil that was specially developed for racing use with USVO® & CleanSynto® technology. It is designed 100% on a PAO and ester basis. JASO MA2 T903:2016; Aprilia; BMW; Ducati; Honda; Kawasaki; Moto-Guzzi; Suzuki; Triumph; Yamaha; etc.
RAVENOL Racing 4-T Motobike Art.-No.: 1171107	10W-50	SN	JASO MA2	Fully synthetic 4-stroke motorcycle engine oil that was specially developed for racing use with USVO® & CleanSynto® technology. It is designed 100% on a PAO and ester basis. JASO MA2 T903:2016; Aprilia; BMW; Ducati; Honda; Kawasaki; Moto-Guzzi; Suzuki; Triumph; Yamaha; etc.
RAVENOL Racing 4-T Motobike Art.-No.: 1171108	10W-60	SN	JASO MA2	Fully synthetic 4-stroke motorcycle engine oil that was specially developed for racing use with USVO® & CleanSynto® technology. It is designed 100% on a PAO and ester basis. JASO MA2 T903:2016; Aprilia; BMW; Ducati; Honda; Husqvarna; Kawasaki; KTM; Moto-Guzzi; MV Agusta; Suzuki; Triumph; Yamaha; etc.
RAVENOL Racing 4-T Motobike Art.-No.: 1171109	15W-50	SN	JASO MA2	Fully synthetic 4-stroke motorcycle engine oil that was specially developed for racing use with USVO® & CleanSynto® technology. It is designed 100% on a PAO and ester basis. JASO MA2 T903:2016; Aprilia; BMW; Ducati; Honda; Kawasaki; Moto-Guzzi; Suzuki; Triumph; Yamaha; etc.
RAVENOL Motobike 4-T Ester Art.-No.: 1171101	5W-30	SN	JASO MA2	High performance synthetic motor oil to meet the demanding requirements of motorcycle engines with wet clutches or oil lubricated clutches. JASO MA2 T903:2016, Yamaha, Kawasaki, Honda, Aprilia, BMW, Suzuki, Ducati, Triumph, Moto-Guzzi
RAVENOL Motobike 4-T Ester Art.-No.: 1171102	5W-40	SN	JASO MA2	High performance synthetic motor oil to meet the demanding requirements of motorcycle engines with wet clutches or oil lubricated clutches. JASO MA2 T903:2016, Yamaha, Kawasaki, Honda, Aprilia, BMW, Suzuki, Ducati, Triumph, Moto-Guzzi
RAVENOL Motobike 4-T Ester Art.-No.: 1172111	10W-30	SN	JASO MA2	High performance synthetic motor oil to meet the demanding requirements of motorcycle engines with wet clutches or oil lubricated clutches. JASO MA2 T903:2016, Yamaha, Kawasaki, Honda, Aprilia, BMW, Suzuki, Ducati, Triumph, Moto-Guzzi
RAVENOL Motobike 4-T Ester Art.-No.: 1172112	10W-40	SN	JASO MA2	High performance synthetic motor oil to meet the demanding requirements of motorcycle engines with wet clutches or oil lubricated clutches. JASO MA2 T903:2016, Yamaha, Kawasaki, Honda, Aprilia, BMW, Suzuki, Ducati, Triumph, Moto-Guzzi
RAVENOL Motobike 4-T Ester Art.-No.: 1171103	10W-50	SN	JASO MA2	High performance synthetic motor oil to meet the demanding requirements of motorcycle engines with wet clutches or oil lubricated clutches. JASO MA2 T903:2016, Yamaha, Kawasaki, Honda, Aprilia, BMW, Suzuki, Ducati, Triumph, Moto-Guzzi
RAVENOL Motobike 4-T Ester Art.-No.: 1171104	10W-60	SN	JASO MA2	High performance synthetic motor oil to meet the demanding requirements of motorcycle engines with wet clutches or oil lubricated clutches. JASO MA2 T903:2016, Yamaha, Kawasaki, Honda, Aprilia, BMW, Suzuki, Ducati, Triumph, Moto-Guzzi
RAVENOL Motobike 4-T Mineral Art.-No.: 1173121	15W-40	SN	JASO MA2	High performance motor oil with excellent additives to meet the demanding requirements of motorcycle engines with wet clutches or oil lubricated clutches. JASO MA2 T903:2016, Yamaha, Kawasaki, Honda, Aprilia, BMW, Suzuki, Ducati, Triumph, Moto-Guzzi

Product name	Classifications			Description / Features
	SAE	API	Specification	
RAVENOL Motobike 4-T Ester Art.-No.: 1172113	15W-50	SN	JASO MA2	High performance synthetic motor oil to meet the demanding requirements of motorcycle engines with wet clutches or oil lubricated clutches. JASO MA2 T903:2016, Yamaha, Kawasaki, Honda, Aprilia, BMW, Suzuki, Ducati, Triumph, Moto-Guzzi
RAVENOL Motobike 4-T Mineral Art.-No.: 1173123	20W-40	SN	JASO MA2	High performance motor oil with excellent additives to meet the demanding requirements of motorcycle engines with wet clutches or oil lubricated clutches. JASO MA2 T903:2016, Yamaha, Kawasaki, Honda, Aprilia, BMW, Suzuki, Ducati, Triumph, Moto-Guzzi
RAVENOL Motobike 4-T Mineral Art.-No.: 1173122	20W-50	SN	JASO MA2	High performance motor oil with excellent additives to meet the demanding requirements of motorcycle engines with wet or oil lubricated clutches. JASO MA2 T903:2016, Yamaha, Kawasaki, Honda, Aprilia, BMW, Suzuki, Ducati, Triumph, Moto-Guzzi
RAVENOL Motobike 4-T Standard Art.-No.: 1173133	20W-50	SL	JASO MA2	High performance mineral motor oil to meet the demanding requirements of motorcycle engines with wet or oil lubricated clutches.
RAVENOL Motobike 4-T Standard Art.-No.: 1173134	10W-40	SN	JASO MA2	High performance mineral motor oil to meet the demanding requirements of motorcycle engines with wet or oil lubricated clutches.
RAVENOL Motobike V-Twin Fullsynth. Art.-No.: 1171105	20W-50		JASO MA2	High performance 3 in 1 fully synthetic lubricant for motor, gear and crankshaft. Specifically designed for use in cruiser and chopper motorcycles. BMW Cruiser Motorcycles, Harley Davidson 62600005, 62600031, Honda 08C35-A251M01, 08C35-A251L01, Indian Motorcycles, Victory Motorcycles, Yamalube LUB20W50AP04, LUB20W50AP12, Triumph Motorcycles, Moto Guzzi Motorcycles, Suzuki V-Twin Motor Oil
RAVENOL Motobike V-Twin Mineral Art.-No.: 1173105	20W-50	SL	JASO MA2	High performance 3 in 1 mineral lubricant for motor, gear and crankshaft. Specifically designed for use in cruiser and chopper motorcycles. BMW Cruiser Motorcycles, Harley Davidson 62600005, 62600031, Honda 08C35-A251M01, 08C35-A251L01, Indian Motorcycles, Victory Motorcycles, Yamalube LUB20W50AP04, LUB20W50AP12, Triumph Motorcycles, Moto Guzzi Motorcycles, Suzuki V-Twin Motor Oil
RAVENOL Fork Oil Ultra Light 2,5W, Light 5W Art.-No.: 1182101 Art.-No.: 1182102	2,5W 5W			Fully synthetic fork oil based on ester oils for all forks of high performance motorcycles, especially for SHOWA and USD-forks. Aprilia, BMW, Ducati, Honda, Kawasaki, Moto-Guzzi, Suzuki, Triumph, Yamaha
RAVENOL Fork Oil Medium 10W, Heavy 15W, Very Heavy 20W Art.-No.: 1182104 Art.-No.: 1182105 Art.-No.: 1182106	10W 15W 20W			Mineral oil based fork oil for all forks of road and off-road motorcycles. Aprilia, BMW, Ducati, Honda, Kawasaki, Moto-Guzzi, Suzuki, Triumph, Yamaha
RAVENOL Motogear Art.-No.: 1250050	75W-90	GL-4		Fully synthetic low friction gear oil with especially formulation for extremely stressed manual transmission and rear axles.
RAVENOL Motogear Art.-No.: 1250055	80W-90	GL-4		Transmission oil based on mineral oil with effective additives for manual transmissions.

Product name	Classifications			Description / Features
	SAE	API	Specification	
RAVENOL Motogear Art.-No.: 1250070	80W-90	GL-5		Hypoid transmission oil based on mineral oil with special high pressure additions for manual transmissions.
RAVENOL Motogear Art.-No.: 1250100	10W-30	GL-4		Semi-synthetic special multigrade gear oil, especially for air and water-cooled 2- and 4- stroke machines with a separate gear lubrication. YAMAHA
RAVENOL Motogear Art.-No.: 1250101	10W-40	GL-4		Semi-synthetic special multigrade gear oil based on synthesis technology and special esters for easily switching also under extremely hard operating conditions.
RAVENOL Scooter Gear Oil Art.-No.: 1222202	80W-90	GL-5/GL-4		Synthetic-based scooter gear oil with with special effective high-pressure additives for manual transmissions. MIL-L-2105 D
RAVENOL QUAD 4T Art.-No.: 1152160	10W-40	SL	JASO MA2	Semi-synthetic motoroil for Quads and ATV. 4-stroke quad engines from KAWASAKI, YAMAHA, BOMBARDIER, SUZUKI, HONDA, u.a.
RAVENOL Quadrogear Art.-No.: 1250200				Synthetic special axle oil developed for Quads and ATV with an integrated wet brake. KAWASAKI, YAMAHA, BOMBARDIER, SUZUKI
RAVENOL Motobike System Cleaner Shot Art.-No.: 1390401				Fuel additive with high levels of cleaning and anti-corrosion additives for all motorcycle gasoline injection engines, which increases the performance of the engine.
RAVENOL Motobike Engine Cleaner Shot Art.-No.: 1390402				Highly effective cleaning concentrate for the oil circuit for efficient cleaning of all motorcycle engines (with and without catalytic converter).
RAVENOL Air Filter Oil Spray Art.-No.: 1360301				Spray oil for all foam material air filters of off-road and street motorcycles and Quads.
RAVENOL Air Filter Clean Spray Art.-No.: 1360302				Degreases and cleans all foam material air filters of off-road and street motorcycles and Quads thoroughly.
RAVENOL Kettenöl Off Road Spray Art.-No.: 1360303				Especially for chain lubrication of off-road motorcycles and Quads.
RAVENOL Kettenöl Reiniger Spray Art.-No.: 1360304				Degreases and cleans motorcycle chains as well as the chains of other vehicles thoroughly.
RAVENOL Carb Reiniger Spray Art.-No.: 1360305				Cleans carburetors in the suction and throttle valve area thoroughly.
RAVENOL Ketten-Spray Art.-No.: 1360032				Lubricating spray for chains.

2-stroke and 4-stroke petrol engines

Product name	Classifications			Description / Features
	SAE	API	Specification	
RAVENOL MPS Motocross Powersynth 2T Art.-No.: 1144110		TC, ISO-L-EGD	JASO FD	High quality fully synthetic two-stroke engine oil with special esters and Polyisobutylene (PIB) for air – and water cooled 2-stroke engines. Suitable for separate lubrication systems and self-mixing systems. KTM, Beta, GasGas, Husqvarna, Yamaha, Kawasaki, Honda, Suzuki
RAVENOL Vollsynthetisches 2-Taktöl VSZ Art.-No.: 1151100		TD, ISO-L-EGD	JASO FD	High quality fully synthetic two-stroke engine oil with special esters and Polyisobutylene (PIB) for air – and water cooled 2-stroke engines. Suitable for separate lubrication systems and self-mixing systems. 2-stroke SCOOTER, high revving engines (over 6000 rpm), Piaggio SI
RAVENOL Selfmix 2T Art.-No.: 1153100		TB, ISO-L-EGB	NMMA TC-W, JASO FB	Mineral motor oil for self-mixing systems and separate lubrication. Recommended mixture: 1:50. Husqvarna, Stihl, Partner, McCulloch, Jonsered, Oleo-Mac, Poulan, Maruyama, Dolmar, Oregon, Makita, Ryobi, Hitachi
RAVENOL 2-Takt-Öl NOT SELF MIX Art.-No.: 1153101		SA		Mineral non-miscible motor oil for 2-stroke engines. For use at low and high temperatures, guarantees functional lubrication.
RAVENOL Scooter Fullsynth. 2-Taktöl Art.-No.: 1151150		TC, ISO-L-EGD	JASO FD	Fully synthetic miscible motor oil with special esters and Polyisobutylene (PIB) for 2-stroke engines with high rotation speed for scooters. Suitable for separate lubrication and self-mixing systems. Recommended mixture: max. 1:100. Aprilia, Honda, Kymco, Peugeot, Piaggio, Suzuki, Vespa, Yamaha
RAVENOL Scooter Teilsynth. 2-Taktöl Art.-No.: 1152150		TC, ISO-L-EGC	JASO FC	High quality "self-mixing" two-stroke motor oil with special esters and Polyisobutylene (PIB) for 2-stroke engines and scooters. Low Smoke. Suitable for separate lubrication and self-mixing systems. Recommended mixture: max. 1:75. Aprilia, Honda, Kymco, Peugeot, Piaggio, Suzuki, Vespa, Yamaha
RAVENOL Scooter Mineral 2-Taktöl Art.-No.: 1153150		TB, ISO-L-EGB	JASO FB	Mineral motor oil for 2-stroke gasoline engines and scooters. Suitable for separate lubrication and self-mixing systems. Recommended mixture: max. 1:50. Aprilia, Honda, Kymco, Peugeot, Piaggio, Suzuki, Vespa, Yamaha
RAVENOL Scooter 4-Takt Fullsynth. Art.-No.: 1151155		SP, SN Plus		Fully synthetic high performance green colored motor oil on the Basis of PAO for 4-stroke small engines. Yamaha, Honda, Aprilia, Suzuki, Kawasaki, Peugeot, Arctic Cat, Bombardier, Argo, Dinli, Polaris
RAVENOL Scooter 4-Takt Teilsynth. Art.-No.: 1152155	10W-40	SL		Semi-synthetic high performance green colored motor oil for 4-stroke small engines. Yamaha, Honda, Aprilia, Suzuki, Kawasaki, Peugeot, Arctic Cat, Bombardier, Argo, Dinli, Polaris, Piaggio
RAVENOL Scooter 4-T 10W-30 Art.-No.: 1152156	10W-30		JASO MB	Synthetic 4-stroke engine oil with specially selected additives, designed for demanding use in scooters and motorcycles.
RAVENOL Snowmobiles Fullsynth. 2-Takt Art.-No.: 1151310		TD, ISO-L-EGD	JASO FD	Fully synthetic motor oil for snowmobiles. Recommended mixture: max. 1:100. Yamaha, Suzuki, Bombardier, Kawasaki, Arctic Cat, Rotax 253

Product name	Classifications			Description / Features
	SAE	API	Specification	
RAVENOL Snowmobiles Teilsynth. 2-Takt Art.-No.: 1152310		TC, ISO-L-EGC	JASO FC	Semi-synthetic motor oil for snowmobiles. Recommended mixture: max. 1:75. Yamaha, Suzuki, Bombardier, Kawasaki, Arctic Cat, Ski-Doo, Polaris
RAVENOL Snowmobiles Mineral 2-Takt Art.-No.: 1153310		TB, ISO-L-EGD	JASO FB	Mineral motor oil for snowmobiles. Recommended mixture: max. 1:50. Yamaha, Suzuki, Bombardier, Kawasaki, Arctic Cat, Ski-Doo, Polaris
RAVENOL Snowmobiles 4-Takt Fullsynth. Art.-No.: 1151311		SN		Fully synthetic 4-stroke motor oil, especially for 4-stroke snowmobiles. Yamaha, Suzuki, Bombardier, Kawasaki, Arctic Cat, Ski-Doo, Polaris
RAVENOL Schneefräse 4-Takt Art.-No.: 1151106	0W-30	SL	A3/B4	Fully synthetic 4-stroke motor oil, especially for 4-stroke snow blowers. Ariens, Briggs&Stratton, Caiman, Canadiana, Craftsman, CubCadet, Honda, Husqvarna, McCulloch, Murray, MTD, Partner, Snapper, Stiga, Swisher, TORO, White Outdoor, Yard-Man
RAVENOL Schneefräse 4-Takt Art.-No.: 1151105	5W-30	SM/SL	A5/B5	High performance fully synthetic 4-stroke motor oil, especially for 4-stroke snowblowers. Ariens, Briggs&Stratton, Caiman, Canadiana, Craftsman, CubCadet, Honda, Husqvarna, McCulloch, Murray, MTD, Partner, Snapper, Stiga, Swisher, TORO, White Outdoor, Yard-Man
RAVENOL 4-Takt Gardenoil Art.-No.: 1113301	30	CD/SF		Mineral monograde 4-stroke motor oil specially developed for lawn-mower. MB 227.0, MIL-L-46152 B, MIL-L-2104 D, Husqvarna, Honda, Stihl, Oleo-Mac, CCMC G4

Marine oils

Product name	Classifications			Description / Features
	SAE	API	ACEA	
RAVENOL Marine Performance Art.-No.: 1163101	15W-40	CK-4/ CJ-4/SN	E7, E9	All-year SHPD engine oil for marine diesel engines with or without turbo charging with high wear protection. Volvo VDS-4.5; Mack EOS-4.5; Renault VI RLD-3, Caterpillar; Detroit Diesel; IVECO; MAN; Mercruiser; MTU; NANNI Diesel; PERKINS; SKL; Steyr; SULZER; VETUS DEUTZ; YANMAR, Scania LDF
RAVENOL Marineoil Petrol Art.-No.: 1162200 Art.-No.: 1163200 Art.-No.: 1163210	10W-40 15W-40 20W-50	SL		Motor oil for use in marine gasoline engines. VOLVO Penta AB, Mercruiser, Yanmar, Kohler
RAVENOL Marineoil Petrol Art.-No.: 1163220	25W-40		NMMA FC-W (CAT)	Modern mineral based high additive treated marine engine oil. It is suitable for inboard and outboard marine gasoline engines. NMMA FC-W (CAT)® FC-43514X, NMMA FC-W, Yamaha, Honda, Suzuki, YANMAR, Mercruiser, VOLVO Penta AB, Kohler, Johnson, Mercury, Evinrude
RAVENOL Marineoil Petrol Synthetic Art.-No.: 1162115	25W-40	SL	A3/B4	Synthetic motor oil for use in marine gasoline engines. VETUS DEUTZ, Steyr, MTU, VOLVO PENTA, Caterpillar, IVECO, MAN, Mercruiser, PERKINS, NANNI Diesel, YANMAR, Detroit Diesel, SULZER, SKL
RAVENOL Marineoil Diesel SHPD Art.-No.: 1162100	10W-40	CI-4/CF	E7/B4	Motor oil for use in marine diesel engines. VETUS DEUTZ, Steyr, MTU, VOLVO PENTA, Caterpillar, IVECO, MAN, Mercruiser, PERKINS, NANNI Diesel, Yanmar, Detroit Diesel, SULZER, SKL, Scania LDF-2



Product name	Classifications			Description / Features
	SAE	API	ACEA	
RAVENOL Marineoil Diesel SHPD Art.-No.: 1163100	15W-40	CI-4/CF	E7/B4	Motor oil for use in marine diesel engines. Volvo VDS-3, VETUS DEUTZ, Steyr, MTU, VOLVO PENTA, Caterpillar, IVECO, MAN, Mercruiser, PERKINS, NANNI Diesel, Yanmar, Detroit Diesel, SULZER, SKL
RAVENOL Marineoil Diesel SHPD Art.-No.: 1163110	20W-50	CI-4	E7/B4	Motor oil for use in marine diesel engines. Steyr, Mercruiser, Yanmar
RAVENOL Marineoil Diesel SHPD Art.-No.: 1163215	25W-40	CF		Modern mineral based high additive treated marine engine oil with special additives. It is suitable for inboard marine diesel engines VETUS DEUTZ, MTU, Steyr, Caterpillar, MAN, PERKINS, NANNI Diesel, Detroit Diesel, Mercruiser, IVECO, SKL, SULZER, VOLVO PENTA
RAVENOL Marineoil Diesel SHPD Synthetic Art.-No.: 1162105	25W-40	CI-4/CF	E7, B4	Synthetic engine oil with unconventional and HC basic oils, synthetic components and modern additives for the use in marine diesel engines. VETUS DEUTZ, MTU, Steyr, Caterpillar, MAN, PERKINS, NANNI Diesel, Detroit Diesel, Mercruiser, IVECO, SKL, SULZER, VOLVO PENTA, Yanmar
RAVENOL Marine Gear Fullsynth. MGF Art.-No.: 1231100	75W-90	GL-4, GL-5		Fully synthetic high performance transmission oil which can be preferably used in the marine sector for lubricating boat and ship transmissions (in- and outboard) for stern- and reverse gear units as well as for Z-drives when a synthetic GL-5/ GL-4 transmission oil is required. ZF TE-ML 12B/16F/17B, Honda, Suzuki, OMC, VOLVO PENTA, Mercury, Mercruiser, YANMAR, Yamaha
RAVENOL VPG Art.-No.: 1231101	75W-90	GL-5		Fully synthetic axle drive oil based on the latest fully synthetic components for marine vehicles. Suitable for use in heavy-duty axle drives from VOLVO Penta and marine transmissions from IPS and Aquamatic. For DPH/DPR Gearboxes of VOLVO Penta and for IPS and Aquamatic transmission (DPR, DPR-A, DPR-B, DPS-A, DPX, DPX-A, DPX-C, DPX-R, DPX-S, DPX-S1, SX-A, SX-C, SX-C1AC, SX-C1, SX-C2, SX-C3AC, SX-C3, SX-C2AC, SX-CLT1, SX-CLT2, SX-M, SX-M1, SX-MAC, SX-MACLT, SX-MDA, SX-MDB, SX-MHP, SX-MDC, SX-MHP1, SX-MHPH, SX-MLT, SX-S, SX-RT2, SX-RT1, SX-R2, SX-R1, SX-R, SX-MTD3, SX-MTD, SX-CT, SX-CLT, SX-CT1, SX-CT2, SX-SLT, SX-ST, DPH-A, DPH-B, DPH-AP, DPH-AS, DPH-BP, DPH-BS, IPS-A, IPS-B, IPS-C, D11A-D (IPS), D4-300D-F, D4-300A-F, D3-200A-F, D3-140A-F, D6-435D-E, D3-220I-F, D4-260A-F, D3-200I-F, D4-225A-F, D6-310D-E, D3-220A-F, D3-170A-F, D13B-G MP, D6-280A-E, D4-260D-F, D6-310A-E, D6-330A-E, D6-370D-E, D3-170I-F, D6-370A-E, D6-330D-E, D13-800IPS EVC-E2-B, D13-900IPS EVC-E2-B)
RAVENOL Marine Gear Lube Art.-No.: 1233100	80W-90	GL-5		Gear oil for use in marine transmissions. OMC, Volvo Penta, Mercury, Mercruiser, Yanmar
RAVENOL Marine PowerTrim & Steering Fluid Art.-No.: 1234100				Hydraulic oil for lubricating hydraulics in marine equipment. OMC, Volvo Penta, Mercruiser, Yanmar
RAVENOL Outboardoel 2T Fullsynth. Art.-No.: 1151200		TD	NMMA TC-W3	Fully synthetic specifically formulated Outboard 2-stroke motor oil with special esters and Polyisobutylene (PIB). Perfect lubrication and wear protection due to special Low-Ash additives. Suitable for separate-lubrication and self-mixing systems. Recommended mixture: max. 1:100. NMMA TC-W3® RL-90001G, Yamaha, Suzuki, Tohatsu, Johnson, Evinrude, Mercury and Selva
RAVENOL Outboardoel 2T Teilsynth. Art.-No.: 1152200		TC	NMMA TC-W3	Semi-synthetic specifically formulated Outboard 2-stroke motor oil with special esters and Polyisobutylene (PIB). Perfect lubrication and wear protection due to special Low-Ash additives. Suitable for separate-lubrication and self-mixing systems. Recommended mixture: max. 1:75. NMMA TC-W3® RL-29018F, Yamaha, Suzuki, Tohatsu, Johnson, Evinrude, Mercury and Selva
RAVENOL Outboardoel 2T Mineral Art.-No.: 1153200		TC	NMMA TC-W3	Mineral specifically formulated Outboard 2-stroke motor oil. Perfect lubrication and wear protection due to special Low-Ash additives. Suitable for separate-lubrication and self-mixing systems. Recommended mixture: max. 1:50. NMMA TC-W3® RL-90000G, Yamaha, Suzuki, Tohatsu, Johnson, Evinrude, Mercury and Selva

Product name	Classifications			Description / Features
	SAE	API	ACEA	
RAVENOL Outboardoel 4T Art.-No.: 1153203	10W-30	SM	NMMA FC-W (CAT)	Semi-synthetic specifically formulated Outboard 4-stroke motor oil acc. to NMMA FC-W (CAT). NMMA FC-W (CAT)® FC-51534X, NMMA FC-W, Mercury Verado, Yamaha, Suzuki, Honda, Johnson/Evinrude, Tohatsu/Nissan
RAVENOL Outboardoel 4T Art.-No.: 1153204	10W-40	SM	NMMA FC-W (CAT)	Semi-synthetic specifically formulated Outboard 4-stroke motor oil acc. to NMMA FC-W (CAT). NMMA FC-W (CAT)® FC-11298X, NMMA FC-W, Mercury Verado, Yamaha, Suzuki, Honda, Johnson/Evinrude, Tohatsu/Nissan
RAVENOL Outboardoel 4T Art.-No.: 1153205	15W-40		NMMA FC-W	Mineral specifically formulated Outboard 4-stroke motor oil acc. to NMMA FC-W. NMMA FC-W® FB-83138, Mercury Verado, Yamaha, Suzuki, Honda, Johnson/Evinrude, Tohatsu/Nissan
RAVENOL Outboardoel 4T Art.-No.: 1153207	25W-40	SM	NMMA FC-W (CAT)	Mineral specifically formulated Outboard 4-stroke motor oil acc. to NMMA FC-W (CAT). NMMA FC-W (CAT)® FC-43517X, NMMA FC-W, Mercury Verado, Yamaha, Suzuki, Honda, Johnson/Evinrude, Tohatsu/Nissan
RAVENOL Watercraft Fullsynth. 2-Takt Art.-No.: 1151210		TD, ISO-L-EGD	JASO FD, NMMA TC-W3	Fully synthetic motor oil for outboard engines in water vehicles. Recommended mixture: max. 1:100. NMMA TC-W3® RL-29019G
RAVENOL Watercraft Teilsynth. 2-Takt Art.-No.: 1152210		TC, ISO-L-EGC	JASO FC, NMMA TC-W3	Semi-synthetic motor oil for outboard engines in water vehicles. Recommended mixture: max. 1:75. NMMA TC-W3® RL-30010H
RAVENOL Watercraft Mineral 2-Takt Art.-No.: 1153210		TC, ISO-L-EGB	JASO FB, NMMA TC-W3	Mineral motor oil for outboard engines in water vehicles. Recommended mixture: max. 1:50. NMMA TC-W3® RL-29901H
RAVENOL Watercraft 4-Takt Art.-No.: 1151211		SL	NMMA FC-W	Synthetic motor oil for 4-stroke outboard engines in fresh water cooled 4-stroke water vehicle engines.
RAVENOL MARINE 830 TBN8 Art.-No.: 1163001	30	CC	MIL-L-2104A	Mineral diesel engine oil used in slowly running crosshead diesel engines and as an engine oil in easy loaded engines of the coasting and inland navigation. DEF 2101D
RAVENOL MARINE 840 TBN8 Art.-No.: 1163002	40	CC	MIL-L-2104A	Mineral diesel engine oil used in slowly running crosshead diesel engines and as an engine oil in easy loaded engines of the coasting and inland navigation. DEF 2101D
RAVENOL MARINE 1230 TBN12, 1240 TBN12, 1630 TBN16, 1640 TBN16 Art.-No.: 1163010 Art.-No.: 1163011 Art.-No.: 1163020 Art.-No.: 1163021	30 40 30 40	CF	MIL-L-2104C	Mineral diesel engine oil used for high and medium speed marine diesel engines with or without turbo-charging. This oil can also be used in shipboard transfer boxes due to its load-carrying properties. DEF-STAN 91-22/2
RAVENOL Outboard Castor 2T Art.-No.: 1159100				Special two-stroke oil based on tried and tested castor oil plant technology, refined with ester synthetic additives for use in motor racing. It can be used in engines from 54 HP (125 cc) to 240 HP (700 cc). VRP Racing Engines, Motorboat outboard motors exclusively for racing, 0-125 cc, 0-175 cc, 0-250 cc (2 cylinder Boxer engines 2 stroke), 0-350 cc (2 cylinders, 3 cylinders or 4 cylinder Boxer engines 2 stroke), 0-500 cc and 0-700 cc (4 cylinder Boxer engines 2 stroke)

Transmission Fluids for automatic transmissions in Electro Vehicles

Product name	Classifications			Description / Features
	SAE	API	Specification	
RAVENOL EV-Synto ATF E-Transmission Fluid Art.-No.: 1215100				Synthetic oil that has been specially developed for the requirements of modern electric vehicles. Selected additives ensure good electrical resistance and dielectric properties. Honda Ultra HEVF-Type 1.0, Honda 08200-9022, Honda 08295-999Z8VC1, Honda 08296-W99Z8WJG
RAVENOL EV-Synto Extra Fluid 70W E-TF Art.-No.: 1215101	70W			Fully synthetic oil that has been specially developed for the requirements of modern electric vehicles. Selected additives ensure good electrical resistance and dielectric properties. VW G 053 013 M2
RAVENOL EV-Synto Super Fluid 75W E-TF Art.-No.: 1215102	75W			Synthetic oil that has been specially developed for the requirements of modern electric vehicles. Selected additives ensure good electrical resistance and dielectric properties. VW G 055 524

ATF Professional Line

Product name	Description / Features
RAVENOL ATF M 6-Serie Art.-No.: 1212105	Synthetic ATF for 5-speed Mercedes-Benz automatic transmission. MB 236.10 (A 001 989 21 03), Chrysler 52107891AA
RAVENOL ATF M 9-Serie Art.-No.: 1211108	Synthetic ATF for 7-speed Mercedes-Benz automatic transmission (NAG2VSport). MB 236.12, MB 236.10
RAVENOL ATF M 9-FE Serie Art.-No.: 1211127	Synthetic ATF for 7-speed ATF 7G-Tronic with ECO Stop-Start function of Mercedes-Benz (NAG2FE+). MB A 001 989 78 03, MB A 001 989 77 03, ATF 7134FE, ATF 134FE, ATF 134ME
RAVENOL ATF M 9-G Serie Art.-No.: 1211139	Synthetic ATF for the latest 9-speed Mercedes-Benz automatic transmissions (9G-tronic) for Mercedes-Benz cars. A 002 989 06 03, ATF D971, Nissan 999MP-MTP10P, Nissan ATF Matic P
RAVENOL ATF 5/4 HP Fluid Art.-No.: 1212104	Synthetic universal ATF (Automatic-Transmission-Fluid) for ZF automatic transmission (4HP and 5HP). Alfa Romeo 20HP 14891900, ATF LT 71141, ATF LA 2634, BMW 8322 9407765, BMW 8322 9407807, Citroën/Peugeot AL4 PR 9736.22, Jaguar JLM 20237, Land Rover STC4863, Mercedes A 0019892203, Porsche 999.917.547.00, Renault DP0, VW/Audi G052162 A1/A2/A6, VW TL 52 162, ZF S671 090 170
RAVENOL ATF 6HP Fluid Art.-No.: 1211112	Synthetic ATF for ZF 6HP speed boxes. Backwards compatible for ZF 4- and 5-stroke passenger car ATF except 6HP26A61 in vehicles with AUDI W12 (only original VW G055162A2 blue) and of 6HP19X for AUDI Q7, 6HP19A, 6HP28AF (only original VW G060162A2 green). ZF 6HP19, 6HP21, 6HP26, 6HP28, 6HP32, 6HP34, BMW 83220144137, ATF M1375.4, 83220142516, 83222305396 (ATF2), FORD MERCON SP XT-6-QSP (6R60, 6R75, 6R80), Jaguar C2C 8432, Land Rover TYK50 0050, VW/AUDI G 055005 A1/A2/ A6, ZF S671 090 252/3/5
RAVENOL ATF 8HP Fluid Art.-No.: 1211124	Synthetic ATF for 8HP-series transmission of ZF and 6-speed automatic transmissions of 6HP-series for AUDI Q7. BMW ATF 3+, BMW 83222305397 (until 02.2013 83222152426), BMW 83222289720, ATF L 12108, VW/AUDI G 060 162 A1/ A2/A6, VW G 055 162, ZF S671 090 312, ZF TE-ML 11 9HP48, Land Rover LR023288 and LR023289, Mopar 68218925GA (formerly: 68157995AB), Fiat 9.55550-AV5, Acura 08200-9016A, Honda 08200-9017, Honda ATF Type 3.1
RAVENOL ATF 9HP Fluid Art.-No.: 1211149	Fully synthetic ATF on the basis of PAO, for the latest Generation of all 9 stroke automatic transmissions of ZF. ATF L 12108; Acura 08200-9016 A, Acura ATF Type 3.0, BMW 83222305397 (until 02.2013 83222152426), BMW 83222289720; Fiat 9.55550-AV5; Honda 08200-9017, ATF Type 3.1, Land Rover LR023288, LR023289; Mopar 68218925AA, 68157995AB; VW/AUDI G 060 162 A1/A2/A6; VW G 055 162; ZF S671 090 312, ZF TE-ML 11 9HP48, MB 236.82 (A 000 989 65 05)
RAVENOL ATF Mercon LV Fluid Art.-No.: 1211137	Synthetic ATF Automatic Transmission Fluid, which was specially developed for automatic transmissions of Ford. MERCON® LV (License-No. MLV161101), Ford 1776431, Ford ATF C-ML5, Ford XT-10-QLVC, Ford WSS-M2C938-A, Motorcraft XT-10 DLV, Motorcraft XT-10-QLV
RAVENOL DTF-1 Art.-No.: 1211128	Fully synthetic gear lubricant for the latest generation of electronically controlled active transfer box. Land Rover IYK500010, ATF TF-0753, ATF TF-0870, MB 239.41 Torque-on-Demand (TOD) Transfer case in Type 167 GLE, Type 463 G-Class, Type 470 X-Class, Type 471 with engine OM642; Mopar 68049954AA for Borg Warner 44-40 transfer Box; Nissan 999MP-TF0870P, KLD22-00001EU for Transfer Case ATX90A; Porsche 000.043.301.36 Cayenne 9PA/9PA1 955 / 957 (from 2002 to 2010) Transfer Case PL72 ATC (NV325), 000.043.305.63 Porsche Macan 95B (from 2014) and Cayenne 92A / 958 (Petrol-Motors from 2010 to 2018) Transfer Case Hang-On PL72 ATC; VW G052515A2 (former: G055515A2) for Transfer Case 0AD and 0BV for Touareg, Q7; VW G052536A2 for Transfer Case 0BU for Touareg, Amarok and Audi Q7; VW G052533A2 for Transfer Case 0C7 for Amarok; BMW DTF-1 83222409710, 83222397244, 83220306816 for Transfer Case xDrive: ATC 300, ATC350, ATC400, ATC450, ATC500, ATC700; Genesis (USA) G90 3.3 T-GDI and 5.0 GDI AWD (from MY 2016); KIA (EU) Stinger 2.2 CRDI and 3.3 T-GDI AWD (from MY 2017); Mopar 68049954AA for BorgWarner 44-40 transfer case; Nissan 999MP-ATFD3MP



Product name	Description / Features
RAVENOL Transfer Fluid BW 44 Art.-No.: 1211147	RAVENOL Transfer Fluid BW 44 is a PAO (Poly-alpha-olefin) based, fully synthetic ATF (Automatic Transmission Fluid) with a special additive and inhibition, which ensure the proper functioning of the active transfer case. BorgWarner 44-40 and BW 44-44, BorgWarner BW 44-46 44-47 44-48 und 44-45 until 2016; MB 236.13, Mercedes A001 989 23 03; Mercedes active transfer case A2202800700, A2112801000, A2112800900, A2032800700 for 4Matik S-Klasse W220, E-Klasse W211, C-Klasse W203; Mopar 68049954AC / 68049954AA, Chrysler transfer case 68214750AC, 68214751AB, 68214751AC for Chrysler 300C LX, Dodge Charger LX/LD, Dodge Magnum LX
RAVENOL T-IV-Fluid Art.-No.: 1212102	Universal ATF (Automatic-Transmission-Fluid) for TOYOTA and AISIN AW automatic transmission. Aisin Warner Automatic Gearbox, BMW 83 22 7 542 290 for MINI 6-Speed Aisin F21, 83 22 0 402 413 for MINI 6-Speed Aisin F21 (only USA), FORD 1327936, WSS-M2C924-A, XT-8QAW, General Motors 9986195, OPEL/GM 1940771,1940774, Land Rover LR002748 6-Speed Aisin F21, RENAULT 7711218368 SU1 Gear, 7711172225 for transmission SU0 and SU1, TOYOTA JWS 3309, 08886-81016, 00279-000T4, 08886-01705, VOLVO 1161540, VW/AUDI G 055 025 A2, NISSAN 999MP-MTK00P for RE5F22A (Aisin AW55-50SN Nissan Altima, Maxima, Quest, Sentra), Matic K, Mazda K020-W0-049, Suzuki 99000-22800-001, ESSO JWS3317, Land Rover LR022460, Fiat 9.55550-AV1
RAVENOL ATF T-WS Lifetime Art.-No.: 1211106	Synthetic ATF with a special formulation for long-life filling. Aisin TF-80SC (AWF21, AF 40-6, AM6, AW6A-EL), Aisin TF-80SD, Aisin TF-81SC (AF21 and AWF-21), Aisin TF-82SC, Aisin TG-81SC (AWF8F35, A881F and GA8F22AW), Aisin Warner Automatic Gearbox from 2008, Aisin Warner AW-1, BMW 2 Gran Tourer F46, BMW 83222355599, BMW ATF 6, BMW X1 F48, BMW X2 F39, Chrysler 05189978AA, Chrysler 05189979AA, Chrysler Mopar AS68RC, Fiat 9.55550-AV2, Geely 6608136626 ATF-GS, GM 1940773, Isuzu 2-90531-200-0, Isuzu 2-90531-201-0, Land Rover LR022460, Mini Cooper F54, Mini Countryman F60, SAAB 93165147, Toyota / Lexus JWS3324, Toyota 00289-ATFWS, Toyota 08886-02305, Toyota 08886-81210, VOLVO 31256774, VOLVO 31256775, VOLVO 31256776, VW G 055 540 A2, VW/Audi Transmission 0C8 (Touareg 2011-Q7 2010-), Xuanfu 6AT18, Xuanfu 6AT20, Xuanfu 6AT28
RAVENOL ATF FZ Art.-No.: 1211130	Special fully synthetic ATF (Automatic-Transmission-Fluid) for the Mazda 6-gear transmission FW6A-EL and FW6AX-EL with SKYACTIV technology. Mazda ATF FZ, Mazda 0000-FZ-113E-01, Mazda 8300-77-246
RAVENOL ATF DSIH 6 Art.-No.: 1211133	Special synthetic ATF Fluid based on PAO for 6-Speed automatic transmission of Drivetrain Systems International Holdings (DSIH) for SsangYong KYRON, ACTYON, ACTYON SPORTS, Geely GC7, GX7, SC7 and EC8. SsangYong 0578-244021, Caltex 1712, ATF 3292, DSI M11 6-Speed Korando, DSI M78 6-Speed Kyron, Actyon
RAVENOL ATF Type J2 / S Fluid Art.-No.: 1211115	Synthetic ATF for Jatco Renault, Nissan, Mitsubishi transmissions. Nissan KE908-99932 Matic Fluid J, KLE2300002 Matic Fluid J, 999MP-MTJ00P Matic Fluid J, 999MP-MTS00P Matic Fluid S, KLE24 00002 Matic Fluid S, Mitsubishi MZ 313771 ATF Fluid J2, 4031610 ATF Fluid J3, Renault Matic J6
RAVENOL ATF JF405E Art.-No.: 1211118	Synthetic ATF for JATCO 4-speed automatic transmissions JF405E or JF402E for Hyundai, Kia, Nissan, Daewoo, Mazda. Suzuki 99000-22A80-025, ATF 3314, Hyundai 45000-34D00, 04500-00130, 04500-00430, JWS3314
RAVENOL ATF JF506E Art.-No.: 1211119	Synthetic ATF for JATCO 5-speed automatic transmission JF506E for Ford, LandRover, VW, Jaguar, Seat. FORD WSS-M2C922-A1 for Durashift 5F31J, Land Rover LRN402, STC53016, STC50531, Jaguar C2S 12120, ATF Type K17, Type 3100 PL085, N402, VW G052990A2 for 09A and 09B 5-Speed Tiptronic
RAVENOL ATF Matic Type D Art.-No.: 1211121	Synthetic ATF for 4- and 5-speed automatic transmissions of Nissan. Nissan KLE2200002, Nissan KLE2000004, KLE22-00020, Nissan 999MP-AA100P, Nissan KE908-99931
RAVENOL ATF MM SP-III Fluid Art.-No.: 1212103	Universal ATF (Automatic-Transmission-Fluid) for MITSUBISHI, HYUNDAI and KIA-automatic transmissions. Can replace SP and SP-II Fluids. Mitsubishi 4024610, 4024401, ACH1ZC1X05, MZ320159, MZ320160, MZ320162, MZ320216, ATF SP-III, ATF SP-3, Hyundai 04500-00100, 04500-00400, 04500-00A00, 00232-19012, Chery B110AX4004011SP10; Chery CHR2015CVT001; Chery CVT 019CHA/019CHB
RAVENOL ATF RED-1 Art.-No.: 1211117	Synthetic ATF for special 5-speed automatic transmissions of KIA and Hyundai. ATF RED-1, KIA UM040-CH020, 04500-00140, Hyundai 04500-00140
RAVENOL ATF SP-IV Fluid Art.-No.: 1211107	Synthetic ATF for 6-speed Hyundai automatic transmission from year 2009. 6-speed Hyundai automatic transmissions: Hyundai 00232-19045, 04500-00115, Hyundai Elantra UD 2011- L4 1.6L, L4 2.0L, iX35 2009 - L4 2.0L, 2.4L, Santa Fe 2009 - L4 2.0L, 2.2L, 2.4L, V6 3.5L, Sonata 2009- L4 2.0L, 2.4L, V6 3.5L, Tucson 2009- L4 2.0L, 2.4L, Veracruz 2011- V6 3.0, Grandeur HG 2011- V6 3.3L, 3.8L, Azera TG 2011- V6 3.3L, 3.8L, KIA Sorento 2009- V6 3.3L, 3.5L, 3.8L, Sorento XM 2011 – L4 2.4L, V6 3.5L, Sportage 2010- L4 2.0L, 2.4L, Forte/Forte Koup 2010- L4 2.0L, 2.4L, Optima TF 2011- L4 2.0L, 2.4L, Sedona VQ 2011- V6 3.5L

Product name		Description / Features
RAVENOL ATF SP-IV RR Art.-No.: 1211138	Special ATF for Hyundai 8-speed transmissions. Hyundai 00232-19052, Hyundai 04500-00117, Hyundai EQUUS, Hyundai GENESIS, Hyundai GENESIS Coupe, KIA MOHAVE, KIA QUORIS	
RAVENOL ATF MM-PA Fluid Art.-No.: 1211126	Synthetic ATF for automatic transmissions of Mitsubishi V5AWF. Mitsubishi V5AWF, Mitsubishi 4030401, Mitsubishi DIA QUEEN ATF-PA	
RAVENOL ATF Type Z1 Fluid Art.-No.: 1211109	Synthetic ATF for all 4-and 5-speed automatic transmissions of Honda. Honda 08266-99904, Honda 08266-99907, Honda 08200-9005	
RAVENOL DW-1 Fluid Art.-No.: 1211125	Synthetic ATF for automatic transmissions of Honda. Honda 08200-9008, 08200-9009, Honda 08266-99964, 08266-99967, 08266-99901	
RAVENOL DPS Fluid Art.-No.: 1211113	Synthetic special fluid with special additives for Dual Pump System (DPS) of Honda. Honda DPFII (DPSF), 08293-99904, DPSF2 Ultra 4WD Rear, 08200-9007	
RAVENOL SU5 ATF Fluid Art.-No.: 1211122	Synthetic ATF for 5-speed automatic transmissions of Subaru. Subaru 4ATF, 5ATF, ATF HP, Subaru K0415-Y0700, Subaru SOA868V9240, SOA868V9241, SOA427V1500	
RAVENOL ATF BTR 95LE Art.-No.: 1211116	Synthetic ATF for transmissions of BTR Engineering Australia for SsangYong, FORD, Maserati, Mitsubishi and others. M74LE, M85LE, M91LE, M95LE, ATF Type TQ95	
RAVENOL CVT HCF-2 Fluid Art.-No.: 1211142	Synthetic CVT (Continuously Variable Transmission) fluid designed specifically for second-generation CVT transmissions, based on high quality base oils and Polyalphaolefin (PAO). Honda CVT Gen2, Honda 08200-HCF2, Honda 08260-99964, 08260-99967, 08200-HCF2, 08269-99904HE, 08269-99905HE, Honda Accord IX CR 2013-2017, Accord X 2017, Jazz III / Fit GK3/GK4/GK5/GK6 2013- , Grace / Citi GM6/GM9 2014 - , Civic IX FB 2014-2015, Civic X FC1/FK7 2016- , HR-V II 2017- , CR-V IV 2014 – 2016, CR-V V 2018-, Jade FR5 2014- , Odyssey RC1/RC2 2013-, Shuttle GK8/GK9 2015-, Stepwgn RK 2012-2015, Stepwgn RP1/RP2/RP3/RP4 2015-, Vezel RU1/ RU2 2012-	
RAVENOL CVT Fluid Art.-No.: 1211110	Synthetic automatic transmission fluid for CVT-automatic transmissions. BMW CVT EZL 799A, Ford EU WSS-M2C928-A, Focus C-Max CFT23, Ford USA WSS-M2C933-A, XT-7-QCFT Freestyle, Five Hundred CFT30, Honda CVT Fluid 08200-9006, HMMF Ultra Fluid 08260-99904, 08260-99907, MB 236.20 A 0019894603, Mazda TFF CVT Fluid TC JWS3320 K020-W0-051W, Nissan CVT Fluid NS-1, KLE50 00002, KLE50 00004, Opel/GM 1940713, Subaru i-CVT Fluid K0415-YA090, Subaru CVT Lineartronic II K0425Y0711, Suzuki S-CVT 99000-22801-000, Toyota CVT Fluid TC 08886-02105, VW/AUDI G052180A1/A2/A6, TL 52180, VW G 052 516 A2, Mini Cooper CVT, Chery 025CHA/ QR025CHA, Chery 025CHA-4004011AA10, Chery 025CHC/QR025CHC, Chery CVT25, CVTF WCF-1	
RAVENOL CVT KFE Fluid Art.-No.: 1211134	Synthetic CVT (Continuously Variable Transmission) fluid with low viscosity based on fully synthetic oil (PAO) with a special additive and inhibition to ensure the proper operation of the automatic transmissions. Toyota - 08886-02505, 08886-02503	
RAVENOL CVTF NS2/J1 Fluid Art.-No.: 1211114	Synthetic CVTF (Continuously Variable Transmission Fluid) for CVT of JATCO. Nissan CVT NS-2 KLE52-0002, KLE52-0004, Mitsubishi S0001401, PSA Standard 9735EF, Suzuki CVT Fluid Green-1 99000-22B15-046	
RAVENOL CVTF NS3/J4 Fluid Art.-No.: 1211132	Synthetic CVTF (Continuously Variable Transmission Fluid), based on PAO with special additives and inhibition. ATF NS-3; ATF J4; Mitsubishi MZ320261, MZ320262, MZ320288, MZ102658; Nissan KLE53-00004, KLE53-00002, 999MP- NS300P; Suzuki CVT Fluid GREEN 2 9900022B24046, 990N022B24004.	

Product name		Description / Features
RAVENOL ATF PDK Fluid Art.-No.: 1211131	Fully synthetic automatic transmission oil ATF with low viscosity and with special additives and inhibition for Porsche Dual Clutch Gear. Porsche PDK, Porsche 000 043 207 29, Porsche Oil No. 999.917.080.00, Porsche 000.043.210.44, Porsche 971 094 307 02A, BMW 8322 2167 666, BMW 8322 2156 969 (MTF LT-5), MB 236.24 (A 002 989 04 03)	
RAVENOL DCT-HV Fluid Art.-No.: 1212106	Synthetic transmission fluid for Dual Clutch Gear. BMW 83220440214, BMW 83222147477, BMW 83222148578, BMW 83222148579, BMW 83222446673, BMW DCTF-1, BOT 341, Chrysler 68044345 EA, Citroën/Peugeot 9734.S2 for DCS6, Drexler DSG transmission with Miba carbon clutch plate, DTFR 13C130 (MB 236.21), Fiat 9.55550-MZ6 for TCT (Twin Clutch Transmission, Ford 1490761, Ford 1490763, Ford USA XT-11-QDC, Ford WSD-M2C200-D2, Ford WSS-M2C936-A, MB 236.21, Mitsubishi Dia Queen SSTF-I, Mitsubishi MZ320065, Renault EDC (Efficiency Dual Clutch System), VOLVO 1161838, VOLVO 1161839, VW G 052 182 A2, VW G 052 529, VW TL 052 529-A	
RAVENOL DCT-LV Fluid Art.-No.: 1212107	PAO (polyalphaolefin) based, fully synthetic DCT (dual clutch transmission) oil, with a special additivation and inhibition, which ensure a proper function of the dual clutch transmission. BMW 83222433157, BMW DCTF-2, BOT 351 C4, Chery 730DHB/DHC 7DCT300, Chery 738DHA 7DCT380, Chery 9009011085, Ford F-DC, Ford WSS-M2C218-A1, Great Wall GW7DCT1, Great Wall GWM 7DCT450, Hyundai/Kia 04300-2N110 WDHO-1, Kunlun DCTF-7S, MB 236.22, MB 239.21, MB 239.22, Pentonsin FFL-7A, Renault 7711785243, Renault DW5, Sinopec DCTF-GS, VW G 055 529, VW G 055 529 A2, VW TL 5259-C	
RAVENOL ATF ULV D-M Art.-No.: 1212108	Ultra Low Viscosity (ULV) Automatic Transmission Fluid (ATF), designed on the basis of PAO (Polyalphaolefin), Ester and highquality hydrocrack oils with a special additive and inhibition, developed for the latest 8 and 10 speed automatic transmissions from Ford and GM. AC Delco 10-4107, DEXRON® ULV from 2017 GM 10L90, GM 19352619, Ford MERCON® ULV from 2017 Ford 10R80, Ford Motorcraft XT-12-QULV, Ford WSS-M2C949-A, Ford 196825, Ford 2179795, VW G 060 54	
RAVENOL DCT GT-R Fluid Art.-No.: 1211129	Special transmission fluid for use in the new Nissan GT-R R35 double clutch transmission (DCT). Nissan KLD4100002EU, KLD41-00002, 999MP-GTRT00P	
RAVENOL ATF DCT-F3 Art.-No.: 1211135	Special synthetic transmission fluid, which has been developed for use in seven-speed Dual Clutch Gear transmission GETRAG Powershift 7DCL750. MB 236.25, GETRAG Powershift 7DCL750, 7-speed dual-clutch transmission (SSG) from Graziano Trasmissioni	

ATF Standard

Product name	Specification	Description / Features
RAVENOL ATF+4® Fluid Art.-No.: 1211100	ATF+4®	Synthetic automatic transmission fluid for Chrysler, Dodge, Plymouth, Jeep and Eagle automatic transmissions. Mixture with all ATF+4®, ATF+2® or ATF+3® transmission fluids. License-No. 40630041 FCA US LLC (formerly known as Chrysler Group LLC), Mopar 68218054GA (former: 680474406MA, 68087385EA) , 68218058GA (former: 05013458AA, 05103531EA/05013458GA), 68218057GA (former: 05013457AA, 05103527EA/05013457GA) MS-9602, Fiat 9.55550-AV4.
RAVENOL ATF Fluid Art.-No.: 1213101	Type A Suffix A (TASA)	Mineral automatic transmission fluid (ATF) for hydrostatic and hydrodynamic systems, if ATF Type A Suffix A is required. For use in automatic transmissions, turbo clutches, power couplings and other hydrostatic and hydrodynamic systems. DTFR 13C120 (MB 236.2), MB 236.2, MAN 339 Type A, Renk Doromat, Cat. TO-2, Allison C4
RAVENOL ATF Fluid Type F Art.-No.: 1213105		Special transmission fluid for Ford, Borg-Wagner, Volvo. FORD Type M2C-33F/G, Motorcraft XT-1-QF, VOLVO 97330
RAVENOL ATF Dexron II E Art.-No.: 1211103	Dexron® II E	High performance synthetic ATF (Automatic-Transmission-Fluid) for automatic transmissions, torque converters and power shifts. MB 236.8, MB 236.5, Voith 55.6336.3x Extended Drain (G1363), Allison C4-32652009 (ATF II E), MAN 339 Type Z2, MAN 339 Type V2, ZF TE-ML 04D, 09X, 14B, 16L, Cat. TO-2, DTFR 13C150 (MB 236.8)
RAVENOL ATF Dexron D II Art.-No.: 1213102	DEXRON® II D	High performance mineral transmission fluid for automatic gearboxes, hydraulic steering, power converters and transmissions. MB 236.6, MB 236.7, ZF TE-ML 03D, 04D, 05L,11A, 14A, 17C, VOITH H55.6335.xx, MAN 339 Type Z1, Ford SQM-9010B, Ford M2C-138 CJ, 166H, 185A, Cat. TO-2, MERCON, RENK DOROMAT, CVT, Allison C3/C4.
RAVENOL ATF DEXRON® VI Art.-No.: 1211105	Dexron® VI	Synthetic ATF, approved by General Motors for use in vehicles with automatic transmissions. Dexron® VI (License-No. J-60331), GMN 10060, MB 236.41, BMW 83 22 0 397 114, BMW 83222167720, GM1940184, GM93165414

Product name	Specification	Description / Features
RAVENOL ATF Dexron III H Art.-No.: 1212100	DEXRON® III H, Allison C4	High performance synthetic universal ATF (Automatic-Transmission-Fluid) for automatic gearboxes with or without controlled torque converter lockup clutch (GKÜB = clutch gearbox bridging), if transmission fluids type DEXRON III H is required. Backward compatible, can be used if specification ATF Dexron F III is required. Allison C4-32642009 (ATF III H), Allison TES-389 AA-33072010 (ATF III H), GM Dexron® III H, DEXRON® III F-30140, ZF TE-ML 04D, 14A, 14B, 16L, 16R, 20B, 25B, 05L, 02F, 03D, 17C; Voith 55.6336.3x Extended Drain (G1363), Cat. TO-2; Ford MERCON M-940717; MAN 339 Type V1, MAN 339 Type Z1; MAN 339 Type Z2; MB 236.1, MB 236.5, MB 236.6, MB 236.9, MB 236.10; Nissan; VOLVO Transmission Oil 97341, VOLVO 1161521, 1161621, DTFR 13C100 (MB 236.1)
RAVENOL ATF MERCON V Art.-No.: 1212101	MERCON®V	Universal ATF (Automatic-Transmission-Fluid) for FORD automatic transmissions. MERCON®V (License-No. M5060502), Ford WSS-M2C202-B, Ford XT-5-QMC, XT-5-5QM, XT-5-DMC, Ford 8000045, Ford ATF E-M5, Ford 1565889, Ford 5014519, Ford WSS-M2C-919-E
RAVENOL ATF T-ULV Fluid Art.-No.: 1211146		Fully synthetic ATF (Automatic Transmission Fluid), designed on the basis of high quality polyalphaolefin (PAO) and Esters with a special additive and inhibition. ATF with ultra-low viscosity. ATF AW-2, BMW ATF 7, BMW 83 22 2 413 477 (8-Speed Automatic Transmission BMW GA8G45AW), PSA 16 350 560 80 (8-Speed Automatic Transmission PSA AMN8/ ATN8/ AXN8), Volvo 31492172/ 31492173 (8-Speed Automatic Transmission AWF8G45/ AWF8G55), VW G 053 001 A2 (8-Speed Automatic Transmission VW 09S (AQ300-8F))
RAVENOL MULTI ATF HVS FLUID Art.-No.: 1211144		High viscosity ATF with a very wide manufacturer coverage. It can be used in almost all conventional automatic transmissions with shift groups if no suitable original oil is available. Not suitable for CVT automatic transmissions. JASO M315,Class 1A, ATF LT 71141, Aisin AW-1, BMW ATF LA 2634, BMW ATF 4, Hyundai/KIA/Mitsubishi ATF SP-III, Honda/Acura Z-1, JWS 3309, Nissan Matic-D, -J, -K, -W, Mazda M-III, Suzuki 3314/3317, Toyota/Lexus ATF T-IV, VW TL 052 025/052 162/052 990/055 025, and many more
RAVENOL MULTI ATF LVS FLUID Art.-No.: 1211145		Low viscosity ATF with a very wide manufacturer coverage, can be used in almost all conventional automatic transmissions with shift groups if no suitable original oil is available. Not suitable for CVT automatic transmissions. ATF 3353/134/L12108, BMW ATF M1375.4, ATF L 12108, ATF 6, ATF-3+, Ford Mercon SP, Honda/Acura DW-1, Hyundai/Kia SP-IV, Mazda FZ, MB 236.12, 236.14, 236.15, 236.17, Mitsubishi DIA QUEEN ATF-PA, ATF Fluid J3, Nissan, Matic Fluid S, Toyota/Lexus ATF WS, ZF-LifeguardFluid 6/8/9, VW TL 60 162/55 540/52 533/55 005, and many more

ATF transmission oils for commercial vehicles

Product name	Specification	Description / Features
RAVENOL ATF ZMS Art.-No.: 1211102		ATF of the latest generation, for commercial vehicle automatic transmissions of ZF, allows oil change intervals of 150,000km or max. 3 years MAN 339 Type Z3, MAN 339 Type Z4 (ZF Ecomat 150 000 km), ZF TE-ML 04D, 14E, 16N, 16Q, 20F (ZF Ecolife), ZF 0671 072 120, ZF 0671 072 130
RAVENOL LKW ATF Synthetik Art.-No.: 1211104		Synthetic ATF for the latest generation commercial of vehicle automatic transmissions. ZF TE-ML 14E, 16N, MAN 339 Type Z4 (ZF Ecomat 150 000 km), Allison TES-295 (TranSynd Fluid), Allison TES-468, Caterpillar 6-speed CX31 and 8-speed Super-Heavy-Duty CX35 transmissions, Voith 55.63353x (G 607) and 55.63363x (G 1363), Renk Doromat, MB 236.91, DTFR 13C180 (MB 236.91)
RAVENOL ATF THS Truck HD Synthetic Art.-No.: 1211151		High-quality synthetic transmission fluid with special additives and particularly suitable for Allison automatic transmissions. Allison TES-295,389,468,668; Ford XT-2-QDX, XT-5-QMC; JASO M315 Type 1A; MB 236.92, Volvo 97340, 97341, DTFR 13C190 (MB 236.92)

Power steering and special hydraulic oils

Product name	Specification	Description / Features
RAVENOL GHA-F Gearbox Hydraulic Actuator Fluid Art.-No.: 1181201		Special hydraulic oil for electrohydraulic actuators based on synthetic and mineral oil with ashless additives. For use in MCP electronically controlled transmissions of Peugeot/Citroën and Dualogic and Selespeed gearboxes of FIAT/Alfa Romeo. Optimum performance in electro-hydraulic and electronically controlled drives and circuit boards. Peugeot/Citroën 9979.A4 for MCP Automated Gearbox, FIAT/Alfa Romeo 15081616 CS SPEED for Dualogic and Selespeed Gearbox, FIAT 9.55550-SA1 Nr. F005.F98
RAVENOL AWD-H Fluid Art.-No.: 1211140		Special high-performance transmission oil for Haldex's four-wheel, Quattro and 4motion powertrains. VW G 052 175 A2, G 055 175 A2, G 060 175 A2, Volvo 31367940, GM 93165387, Opel 1940057, Land Rover LR 054941, LR 003136 (Haldex-Oil from 2011-2014)
RAVENOL AWD-TOR Fluid Art.-No.: 1211141		Special transmission oil for transfer cases of four-wheel drive systems from Torsen type of VW and AUDI. The recipe contains 4% of a special friction modifier. Audi/VW G 055145 A2; SAF-AG4 + FM
RAVENOL E-PSF Fluid Art.-No.: 1181002		Special fully synthetic fluid for use in electro hydraulic servo steering. Citroën DA 9730 A5, LDS 9979 A3; Fiat 9.55550-AG3; JTEKT EHPS Electro-Hydraulic Power Steering; MAN M3289; Nissan E-PSF, 999MP-EPSF00P, KLF51-00001; PSA S71 2710; Renault PSF Class 1 (Renault Laguna III); Toyota PSF-EH, 08886-01206.
RAVENOL PSF-Y Fluid Art.-No.: 1211123		Synthetic special fluid for servo steering for Volkswagen, Mercedes and Chrysler. VW G009300A2, Mercedes A0009898803, MB 236.3, Chrysler 05098158A, MS-5931, MS-9933, MS-10838, 04883077, GM 9985010, 89020661, 1050017, Mopar 05142893AA, Texaco TL 4634, HONDA 08206-9002, 08285-P99-01Z-T1
RAVENOL ESF Extra Servo Fluid Art.-No.: 1181102		Special synthetic hydraulic oil with special formulation and high quality additives for excellent cold stability. DTFR 31B120 (MB 345.0), Land Rover Cold Climate PAS Fluid 14315 LRN2261, MB 343.0, MB 344.0, MB 345.0, Opel 1940766, Peugeot/Citroën 9979. A1, SAAB 93160548, VOLVO 30741424, VW G 004 000
RAVENOL Hydraulik PSF Fluid Art.-No.: 1181000		Special synthetic hydraulic fluid for servo steering. Honda PSF-S, Hyundai PSF-3, KIA PSF-III, Mazda PSF, Subaru PS Fluid, TOYOTA PSF-EH, CITROËN/PEUGEOT 9735EJ for C-Crosser and PEUGEOT 4007, MITSUBISHI DIAMOND PSF-2M
RAVENOL AHC Fluid Art.-No.: 1324101		Fully synthetic hydraulic fluid based on PAO (Poly-alpha-olefin) and Ester. Suspension fluid for active height control systems (AHC) for vehicles from Toyota and Lexus as well as for HBMC systems (Hydraulic Body Motion Control) from Nissan and Infiniti. Toyota AHC-Fluid (08886-81260 / 08886-01805); Nissan KLG01-00501EU, KLG01-00502
RAVENOL LHM+ Fluid Art.-No.: 1181110	ISO 7308, DIN 51524 Teil 2	Special hydraulic fluid designed for use in vehicles of the PSA group (Citroën, Peugeot). PSA Standard B 71 2710
RAVENOL SSF Special Servolenkung Fluid Art.-No.: 1181100	ISO 7308, DIN 51524 Teil 2	Special hydraulic fluid for use as a central hydraulic fluid in power steering, level control, hydraulic brake booster, hydro-pneumatic suspension. For VW, Audi, Seat, Skoda. VW TL 521 46 (G002 000, G004 000 M2), MB 343.0 / MB 344.0 / 345.0, CHF11S, CHF202, Opel 1940 715, Opel 1940 766, Ford M2C204-A2, Ford 1 384 110, ZF TE-ML 02K, SAAB 93160548, BMW 83 29 0 429 576, Citroën 9979 A1, Land Rover Cold Climate PAS Fluid 14315 LRN2261, VOLVO 30741424, Hyundai/Kia PSF-4 03100-00130, Toyota PSF NEW-W, Toyota 08886-01115

Gear oil for manual gearboxes – Professional Line

Product name	Classifications			Description / Features
	SAE	API	Specification	
RAVENOL MTF-1 Art.-No.: 1221102	75W-85	GL-4/GL-5		Fully synthetic gear oil based on PAO for specific switching, distribution and differential gears. DTFR 13B150 (MB 235.4), Fiat 9.55550-MZ1/-MZ3, General Motors 1940182, 93740319; Hyundai 04300-00110, 04300-00140, 08950-00020-B, 08950-00020-A; MB 235.4 A 001 989 14 03; Mitsubishi 3717610; MTF BOT 402 BOT 0063 for F35/MU3 5-speed SAAB/GM/Opel; Nissan KLD26-75802, KE91699931, KE91699942, 999MP-MTF00P; OPEL B 040 2071; TOYOTA 08885-02606, 08885-81070, 08885-81060
RAVENOL MTF-2 Art.-No.: 1221103	75W-80	GL-4/MT-1		Fully synthetic gear oil based on PAO for modern manual transmissions. AC Delco 10-403; General Motors 1940711, 88861800, 88861801; BMW 2300 7533 513 MTF LT-2, 83 22 0 309 031 / 2300 1434 404 MTF LT-1; FIAT 9.55550-MZ2 F178.B06 14621616; FORD WSS-M2C200-D2 WSS-M2C200-C3 1547953 1382914; Honda 08261-99964 Genuine MTF Fluid 08798-9031 MTF-7289; Hyundai 02200-00130 TOD; Land Rover STC 9157 TYK500030 STC 9158; MB 235.10 A 001 989 26 03, Mitsubishi MZ312644 3005401; MTF-94 Fluid for Land Rover, MG and Mini Cooper; Nissan 999MP-MTF20P KE91699932R; Peugeot 9730A2; Subaru K0321-F0090; TOYOTA 08885-00705, MTF XT4447 M+, MTF ETL8997B, MTF 97309; PSA B 71 2330; VOLVO 1161681 1161745; VW/AUDI G 052 911 A2, G 055 538 A2 for ZF 6S450 Amarok 0C6; AUDI G 052 532 and G 055 532
RAVENOL MTF-3 Art.-No.: 1221104	75W	GL-4		Fully synthetic gear oil for special manual transmissions. ACDelco 10-4037; BMW MTF LT-3 23 00 7 533 818, 83 22 0 396 706, 83 22 7 533 818; BOT303; BOT 350 M3; Fiat 9.55550-MZ6; FORD WSS-M2C200-D2; GM 19259104, 1940004; JWS2271; Mercedes A001989840309, MB 235.10; Opel B0402167; PSA B71 2316, B71 2317, 9730A8; TOYOTA 08885-81001, TOYOTA 08885-81081; Suzuki 99000-22B27-036; VW G 009 317 A2, G 052 512 A2, G 052 527, G 052 171 A2, G 052 527 A2, G 055 512 A2, G 055 532 A2, G 070 726 A2; VW/AUDI G 060 726 A2; VOLVO 1161839, VOLVO 1161838.
RAVENOL MTF-4 Art.-No.: 1221113	70W	GL-4+		Full synthetic gear oil based on PAO for special manual transmissions. BOT 233 LVX, Hyundai / KIA 04300-KX1B0, UM015-CH080 for HMC transmissions D7GF1, D7UF1, M6CF1, M6CF4, M6CF3-1, M6GF2, VW G052549A2

Gear oils for manual gearboxes and drive axles

Product name	Classifications			Description / Features
	SAE	API	Specification	
RAVENOL VGL Art.-No.: 1221112	70W-80	GL-5/MT-1	MIL-L-2105D	Fully synthetic hypoid axle gear oil with state-of-the-art components for vehicles with the latest transmission technology from BMW. BMW 83222413512, BMW 83222460128, BMW Hypoid Axle Oil G3, BMW Motorrad Hypoid Axle Oil G3, Mazda Hypoid Gear Oil (SG1), Mazda K020-01-SG1, VW G 060 190 A2
RAVENOL VGO Art.-No.: 1221126	70W-80	GL-5+LS/MT-1	MIL-L-2105D	Fully synthetic hypoid axle gear oil for axle drives with hypoid gearing and limited-slip differential (LSD) of the BMW M series since 2018. BMW 83222447362, BMW Hypoid Axle Oil G4
RAVENOL MDL Multi-Disc locking differentials Art.-No.: 1222103				Synthetic lubricant for clutch-type lamella limited slip differentials. ACDelco 10-4032, Daimler A 0019895903 for Mercedes-Benz M-Class (W164, X164) GM 92184900, Land Rover LR019727, BOT 720, TYK500070, Porsche 000.043.300.37 / 000.043.305.03 for Porsche Cayenne, Porsche Panamera, VW G052196A2 for VW Touareg
RAVENOL STF Synchromesh Transmission Fluid Art.-No.: 1221105				Synthetic gear oil for manual transmissions and transfer boxes from GM and Chrysler. Chrysler MS-9417, MS-9224, 4874465, 4874464, General Motors 12345349, 9985648, 1052931, 12377916, 9985535, 12345577, 9986105



Product name	Classifications			Description / Features
	SAE	API	Specification	
RAVENOL VSG Art.-No.: 1221101	75W-90	GL-5/GL-4	MIL-L-2105D	Fully synthetic gear oil for use in heavily loaded transmissions. DTFR 12B140 (MB 235.8), DTFR 13B110 (MB 235.11), BMW 83229407768, BMW 83222365987, BMW OSP, BMW SAF-XO; BOT 328, 130M, 720; DAF LKW (for longdrain interval); Ford WSD-M2C200-C, Ford 1045737, Ford 5021033 for Ford transmissions IB5, B5, MTX75, GM5, MT285/6, MT6/6, MT75, R15M-D, R15MX-D, MT82; IVECO; Land Rover TYK500010; MAN 342 Type S1; MB 235.8, MB 235.11; MIL-L 2105 D; Porsche 958.341.536.00 (Full-Time Transfer Case with Torsen (PL72T) for Cayenne 92A / 958 Diesel and S Hybrid from 2010 to 2018); Renault LKW; SCANIA STO 1:0; VOLVO 97312 / 97315 / 97319; VW G052 145 A2, VW G052 539 A2, VW G052 911 A2; ZF TE-ML 12B, 16F, 17B, MB 235.72
RAVENOL SSG Spec Synt LKW Getriebeöl Art.-No.: 1221100	75W-80	GL-4	MIL-L-2105D	Synthetic low friction gear oil especially for high stressed gears. For synchronized truck manual transmissions with intarder or retarder. Extreme oil change intervals to 500.000 km. ZF TE-ML 01L, 02L, 16K, MAN 341 Type Z4, MAN 341 Type E3, MAN 341 Type V-R, DAF/VOLVO 97305, 97307, 97317, EATON (Extended drain) / IVECO / RENAULT, MB 235.28
RAVENOL Getriebeoel SLG Art.-No.: 1223305	80W-90	API GL-3/ GL-4/GL-5/ MT-1	MIL-L-2105 A/B/C/D/E, MIL-PRF-2105E	High performance multifunction gear oil for truck manual transmissions, auxiliary drives an rear axles, including highly stressed hypoid drive axles. DAF, MAN 341 Type Z2/E2, MAN 342 Type M2, SCANIA STO 1:0, VOLVO 97321; ZF TE-ML 02B, 05A, 12E, 16B, 16 C, 16 D, 17B,19B, 21A, MB 235.0, Mack GO-J, Iveco, DTFR 12B130, DTFR 12B100 (MB 235.0)
RAVENOL Teilsynthetisches Getriebeöl TSG Art.-No.: 1222101	75W-90	GL-4		Semi synthetic multipurpose gear oil for high loaded manual transmissions with or without synchronization, distributors and steering transmission for passenger cars and working machines. Ford M2C-175; GM Opel B 040 104 3; VW 501 50, VW G052 911 A2, G060726 A2
RAVENOL TGO Teilsynthetisches Getriebeöl Art.-No.: 1222105	75W-90	GL-5	MIL-L-2105D	Semi synthetic gear oil especially for highest stressed hypoid geared transmissions. MB 235.0, MB 235.1, MB 235.8, MAN 342 M2 (160.000 km), ZF TE-ML 05A, 07A, 16B/C/D, 17B, 19B, 21A, CS 3000B, Ford M2C-9002A, Mack GO-G, GM, DTFR 12B100 (MB 235.0), DTFR 12B140 (MB 235.8), DTFR 13B100 (MB 235.1)
RAVENOL GEAR TRANS SYNTH GTS Art.-No.: 1221122	75W-90	GL-4/ GL-5/MT-1	MIL-PRF 2105 E, SAE J2360	Axle gear oil based on the latest fully synthetic components for commercial vehicles, particularly suitable for Daimler specification 235.8. Arvin Meritor 076-N, DAF, DFS93K219.01, IVECO, Mack GO-J, MB 235.8, MAN 341 GA1, 341 Z1, Z2, 342 M3, 342 S1, Renault, Scania STO 1:0, STO 2:0 A FS, Volvo 97312, ZF TE-ML 02B, 05, 07, 08, 12B, 12L, 12N, 13, 16F, 17B, 19C, 21A, DTFR 12B140
RAVENOL GEAR SUPER SYNTH GSS Art.-No.: 1221123	75W-90	GL-4/ GL-5/MT-1	MIL-PRF 2105 E, SAE J2360	Axle gear oil based on the latest fully synthetic components for commercial vehicles and for non-synchronized manual transmissions. Arvin Meritor 076-N, DAF, Dana SHAES 256 Rev C, Dana SHAES 429, DFS93K219.01, IVECO 18-1805, Isuzu Axle Oil, Large Manual Transmission Oil, LCV Front Axle Oil, Mack GO-J, MAN 341 GA-2, 342 S-1, Meritor 0-95, Scania STO 2:0 G, STO 2:0 A FS, Volvo 97312, ZF TE-ML 05A, 12L, 12N, 16F, 17B, 19C, 21A, Voith Turbo 132.00374401, 132.00374402
RAVENOL PSA Art.-No.: 1222100	75W-80	GL-4		Semi synthetic gear oil especially developed for Citroën and Peugeot vehicles. PSA Standard B 71 2315
RAVENOL TDG Art.-No.: 1221109	75W-110	GL-4, GL-5, MT-1	MIL-L-2105D, MIL-PRF-2105E	Universal fully synthetic gear oil for manual transmissions and hypoid differentials in passenger cars, delivery vans and heavy truck. "Total Drive Line" oil is as universal product widely usable. ZF TE-ML 05A, 05B, 07A, 08, 12N, 16F, 19C, 21A(ZF001438), 21B, SAE J23260, MACK GO-J, DAF, Meets the requirements of Scania STO 1:0
RAVENOL DGL Art.-No.: 1221107	75W-85	GL-5+ LS	MIL-L-2105D	Fully synthetic multi-grade hypoid transmission oil of API GL-5 power class with "limited slip" properties for manual transmissions and rear-axles in motor vehicles. Toyota 08885-81070, 08885-81081, Toyota JWS 2273, BMW, Dodge, Jeep, Lexus, AC Delco 10-4032, BOT 448, BMW 83 22 2 239 982, BMW 83 22 2 295 532 Hypoid Axle Oil G1, BMW 83 22 2 413 511 Hypoid Axle Oil G2, Chrysler ELSD Rear Axle, FIAT 9.55550 F426.E06, Fiat 9.55550-DA8, -DA9, Ford WSS-M2C942-A, GM 92184900, Land Rover LR052059, Mercedes Benz MB 235.62, MB 235.7 A0019898303, MB 235.15 A0019895903, MB 235.74 A0019893303, MB 239.71, Mopar 68083381AA, ZF TE-ML 18, VW TL 521 90, G052 196 A2, G052 190 A2, G 052 518 A2, G055 190 A2.

Product name	Classifications			Description / Features
	SAE	API	Specification	
RAVENOL Getriebeöl LS Art.-No.: 1222102	75W-90	GL-5 + LS	MIL-L-2105D	Synthetic gear oil for Limited Slip (LS) type differentials. ZF TE-ML 05C/D, GM 1940058 / GM 93165388, GM 88862624 / GM 88862625
RAVENOL Getriebeöl SLS Art.-No.: 1221110	75W-140	GL-5 + LS	MIL-L-2105D	Fully synthetic multigrade hypoid gear oil for highest stressed rear axle and differential gears with "Limited Slip" specification. Limited Slip
RAVENOL SGO Art.-No.: 1222201	80W-140	GL-5/MT-1		Synthetic transmission oil for high loaded hypoid gearboxes based on high quality synthetic base oils and additives that are a balanced combination of active ingredients. MACK GO-J, SAE J2360, Scania STO 1:0, ZF TE-ML 05A, 7A, 12E, 16C, 16D, 21A, MIL-L-2105 D, Dana, Meritor
RAVENOL Sperrdiff. Hypoid Getriebeöl LS Art.-No.: 1223301	85W-90	GL-5	MIL-L-2105D	Mineral gear oil for Limited Slip (LS) and locking type differentials. ZF TE-ML 05C, 12C, 16E, Ford Specification, Limited Slip
RAVENOL Sperrdiff. Hypoid Getriebeöl LS Art.-No.: 1223302	90	GL-5	MIL-L-2105D	Mineral gear oil for Limited Slip (LS) and locking type differentials. ZF TE-ML 05C, 12C, 16E, 21C, Ford Specification, Limited Slip
RAVENOL Sperrdiff. Hypoid Getriebeöl LS Art.-No.: 1223303	80W-90	GL-5	MIL-L-2105D	Mineral gear oil for Limited Slip (LS) and locking type differentials. ZF TE-ML 05C, 12C, 16E, 21C, Ford Specification, Limited Slip
RAVENOL SCG Super Construction Gear LS Art.-No.: 1223310	85W-90	GL-5 + LS	MIL-L-2105D	Mineral multi-purpose gear oil based on high-quality base oils. Due to its special additives and inhibition, it is particularly suitable for Liebherr vehicles. Liebherr Cranes, VOLVO 97310, MAN 342 N, ZF TE-ML 08, 16E, ASTM D7450
RAVENOL Getriebeöl EPX Art.-No.: 1223201 Art.-No.: 1223202	80 90	GL-5	MIL-L-2105D	Mineral gear oil for synchromesh and non-synchronized manual transmissions and hypoid differentials, as well as for power distributors and intermediate gear, side gears in vehicles and machinery DTFR 12B100 (MB 235.0), MB 235.0, MAN 342 Type M1, ZF TE-ML 05A, 07A, 16B, 16C, 16D, 17B, Ford SQM-2C-9002AA, VOLVO 97313
RAVENOL Getriebeöl EPX Art.-No.: 1223205	80W-90	GL-5	MIL-L-2105D	Mineral multigrade gear oil for synchromesh and non-synchronized manual transmissions and hypoid differentials, as well as for power distributors and intermediate gear, side gears in vehicles and machinery. ZF TE-ML 16B, 17B, 19B, 21A, LOVAT LOV-204, MB 235.0, MAN 342 Type M1, Ford SQM-2C-9002 AA, DTFR 12B100 (MB 235.0)
RAVENOL Getriebeöl EPX Art.-No.: 1223206	85W-90	GL-5	MIL-L-2105D	Mineral multigrade gear oil for synchromesh and non-synchronized manual transmission, as well as for power distributors and intermediate gear, side gear in vehicles and machinery. ZF TE-ML 05A, 16B, 17B, 19B, MAN 342 Type M1, MB 235.0, Ford SQM-2C-9002 AA, DTFR 12B100 (MB 235.0)
RAVENOL Getriebeöl EPX Art.-No.: 1223211	85W-140	GL-5	MIL-L-2105D	Mineral multigrade gear oil for synchromesh and non-synchronized manual transmission, as well as for power distributors and intermediate gear, side gear in vehicles and machinery. ZF TE-ML 05A, 16D, 21A, Ford M2C-9002A, MAN 342 Type M1, CS 3000B, Mack GO-G, GM
RAVENOL Getriebeöl EPX Art.-No.: 1223210	140	GL-4/GL-5	MIL-L-2105D	Mineral gear oil for synchromesh and non-synchronized manual transmissions and hypoid differentials, as well as for power distributors and intermediate gear, side gears in vehicles and machinery ZF TE-ML 05A, 07A, 17B, CS 3000B, Ford M2C-9002A, Mack GO-G, GM
RAVENOL Getriebeöl MZG Art.-No.: 1223101	80	GL-4	MIL-L-2105D	Mineral EP multi-purpose gear oil to lubricate manual gearboxes, transfer cases, steering gears as well as axle drives subject to normal strain. MAN 341 Type Z1, MAN 341 Type E1, ZF TE-ML 02A, 17A, MB 235.1, Ford SQM-2C-9008A, DTFR 13B100 (MB 235.1)

Product name	Classifications			Description / Features
	SAE	API	Specification	
RAVENOL Getriebeöl MZG Art.-No.: 1223105	80W-90	GL-4	MIL-L-2105D	Mineral EP multi-purpose gear oil to lubricate manual gearboxes, transfer cases, steering gears as well as axle drives subject to normal strain. MAN 341 Type Z1, MAN 341 Type E1, ZF TE-ML 02B, 16A, 17A, 19A, MB 235.1, Ford SQM-2C-9008A, DTFR 13B100 (MB 235.1)
RAVENOL Getriebeöl MZG Art.-No.: 1223102	90	GL-4	MIL-L-2105D	Mineral EP multi-purpose gear oil to lubricate manual gearboxes, transfer cases, steering gears as well as axle drives subject to normal strain. MAN 341 Type Z1, MAN 341 Type E1, ZF TE-ML 02B, 16A, 17A, 19A, MB 235.1, Ford SQM-2C-9008A, DTFR 13B100 (MB 235.1)

Hydraulic oils

Product name	Classifications		Description / Features
	ISO VG	Specification	
RAVENOL Hydrauliköl TS Art.-No.: 1323101	10	HLP, DIN 51 524-2, ISO 6743-4 HM	Mineral hydraulic oil. Wide range of industrial applications. Vickers-Pump-Test, DENISON HF-2, HF-0, MIL-H 24 459, AFNOR NFE 48 603 HM, HV, SIS SS 155434, Denison Filterability TP 02100, Hoesch HWN 2333, U.S. Steel 126 u. 127, CETOP RP 91 H (HM, HV), Sperry Vickers M-2950-S u. I-286-S, FZG 12, Cincinnati Milacron P-68, 69, 70, MIL-H 24 459, Eickhoff, Voith
RAVENOL Hydrauliköl TS Art.-No.: 1323102	15	HLP, DIN 51 524-2, ISO 6743-4 HM	Mineral hydraulic oil. Wide range of industrial applications. Vickers-Pump-test, FZG-Test A 8,3/90: 12th load level is reached, VDMA 24318, ASTM D6158, ISO 11158 HM, SAE MS1004 Type HM MIL-H 24 459, AFNOR NFE 48 603 (HM), GB 11118.1 L-HL, Swedish Standard SS 155434, DENISON HF-2 and HF-0, Cincinnati Milacron P-68, 69, 70, Bosch Rexroth RE 90220, CETOP RP 91H HM, Danieli Hydraulics, Metso, Sauer-Danfoss 520L0463
RAVENOL Hydrauliköl TS Art.-No.: 1323103	22	HLP, DIN 51 524-2, ISO 6743-4 HM	Mineral hydraulic oil. Wide range of industrial applications. AFNOR NFE 48 603 (HM); ASTM D6158; Bosch Rexroth RE 90220; CETOP RP 91H HM; Cincinnati Milacron P-68, 69, 70; Danieli Hydraulics; DENISON HF-2 and HF-0; FZG-Test A 8,3/90: 12th load level is reached; GB 11118.1 L-HL; ISO 11158 HM; Metso; MIL-H 24 459; SAE MS1004 Type HM; Sauer-Danfoss 520L0463; Swedish Standard SS 155434; VDMA 24318; Vickers-pump-test
RAVENOL Hydrauliköl TS Art.-No.: 1323104	32	HLP, DIN 51 524-2, ISO 6743-4 HM	Mineral hydraulic oil. Wide range of industrial applications. Vickers-Pump-test, FZG-Test A 8,3/90: 12th load level is reached, AFNOR NF E 48-603 HM, ASTM D6158, GB 11118.1 L-HM (conventional), ISO 11158 HM, JCMAS HK, MIL-PRF-17672E, SAE MS1004 HM, SEB 181 222, US Steel 126, 127, 136, VDMA 24318, Atos, Bosch Rexroth RE 90220, CETOP RP 91H HM, Danieli Hydraulics, Denison HF-0, HF-1, HF-2, Eaton Vickers I-286-S, M-2950-S, Fives Cincinnati P-38/P-68, General Motors LH-02-1-04, LS-2, Metso, Müller Weingarten, Sauer-Danfoss 520L0463
RAVENOL Hydrauliköl TS Art.-No.: 1323105	46	HLP, DIN 51 524-2, ISO 6743-4 HM	Mineral hydraulic oil. Wide range of industrial applications. Vickers-Pump-test, FZG-Test A 8,3/90: 12th load level is reached, AFNOR NF E 48-603 HM, ASTM D6158, GB 11118.1 L-HM (conventional), ISO 11158 HM, JCMAS HK, MIL-PRF-17672E, NATO H-573, SAE MS1004 HM, SEB 181 222, US Steel 126/127/136, VDMA 24318, Arburg, Atos, Bosch Rexroth RE 90220, CETOP RP 91H HM, Danieli Hydraulics, Denison HF-0, HF-1, HF-2, Eaton Vickers I-286-S, M-2950-S, Fives Cincinnati P-55, P-70, General Motors LH-02-1-04, LS-2, Metso, Müller Weingarten, Sauer-Danfoss 520L0463, ZF TE-ML 07H
RAVENOL Hydrauliköl TS Art.-No.: 1323106	68	HLP, DIN 51 524-2, ISO 6743-4 HM	Mineral hydraulic oil. Wide range of industrial applications. Vickers-Pump-test, FZG-Test A 8,3/90: 12th load level is reached AFNOR NF E 48-603 HM, ASTM D6158, GB 11118.1 L-HM (conventional), ISO 11158 HM, MIL-PRF-17672E, SAE MS1004 HM, SEB 181 222, Swedish Standard SS 155434, US Steel 126, 127, 136, VDMA 24318, Atos, Bosch Rexroth RE 90220, CETOP RP 91H HM, Danieli Hydraulics, Denison HF-0, HF-1, HF-2, Eaton Vickers I-286-S, M-2950-S, Fives Cincinnati P-55, P-70, General Motors LH-02-1-04, LS-2, Metso, Müller Weingarten, Sauer-Danfoss 520L0463, ZF TE-ML 07H, SIS SS 155434, Hoesch HWN 2333

Product name	Classifications		Description / Features
	ISO VG	Specification	
RAVENOL Hydrauliköl TS Art.-No.: 1323107	100	HLP, DIN 51 524-2, ISO 6743-4 HM	Mineral hydraulic oil. Wide range of industrial applications. Eickhoff-Bergbautechnik, Vickers-Pump-test, FZG-Test A 8,3/90: 12th load level is reached, AFNOR NF E 48-603 HM, ASTM D6158, GB 111118.1 L-HM (conventional), ISO 11158 HM, SAE MS1004 HM, SEB 181 222, Swedish Standard SS 155434, VDMA 24318, Bosch Rexroth RE 90220, CETOP RP 91H HM, Danieli Hydraulics, Denison HF-0, HF-1, HF-2, Sauer-Danfoss 520L0463
RAVENOL Hydrauliköl TSX Art.-No.: 1323202 Art.-No.: 1323203 Art.-No.: 1323204 Art.-No.: 1323205 Art.-No.: 1323206 Art.-No.: 1323207	15 22 32 46 68 100	HVLP, DIN 51 524-3, ISO 6743-4 HV	Mineral hydraulic oil with high viscosity index (VI). Excellent for heavy loaded hydraulic plants in industry, earth moving machinery and agricultural machines. ISO 6743-4-HV; 15: AFNOR NFE 48-603 HV, AFNOR NFE 48-690/1; Bosch Rexroth RE90220; GB 111118.1 L-HV; CETOP RP 91H HV; ISO 11158 HV; SAE MS1004; Sauer-Danfoss 520L0463 32: AFNOR NFE 48-603 HV, AFNOR NFE 48-690/1; CETOP RP 91H HV; GB 111118.1 L-HV; ISO 11158 HV, ISO 6743-4 HV; JCMAS HK VG32W; SAE MS1004; US Steel 127/136; Bosch Rexroth RE90220; Denison HF-0/HF-1/HF-2; Eaton Vickers I-286-S/M-2950-S; Fives Cincinnati P-68; General Motors LH-03-1-04/LS-2; Sauer-Danfoss 520L0463 22, 46, 68, 100: AFNOR 48 603 HV; CETOP RP 91H-HV; DENISON HF-0, HF-1, HF-2; FZG 12; General Motors LH-04-1, LH-06-1, LH-15-1; Sperry Vickers 1-286-S, M-2950-S; US Steel 127, 136
RAVENOL Hydraulikoel HVLP-D Art.-No.: 1323364 Art.-No.: 1323365 Art.-No.: 1323366	32 46 68	HVLP-D, DIN 51 524-3	Detergent hydraulic oil with a high viscosity index for use in a wide temperature range. Designed for heavily loaded hydraulic systems of agricultural, forestry and construction machinery. 32: AFNOR 48-603, AFNOR 48-690/1; CETOP RP 91H (HV); ISO 11158 HV, ISO 6743-4 46, 68: CETOP RP 91H-HV, General Motors LH-04-1, General Motors LH-06-1, General Motors LH-15-1, ISO 6743/4-HV, DENISON HF-1, HF-0, HF-2, Sperry Vickers M-2950-S, Sperry Vickers 1-286-S, AFNOR 48 603 HV, US Steel 136
RAVENOL Hydrauliköl HLP-D Art.-No.: 1323303 Art.-No.: 1323304 Art.-No.: 1323305 Art.-No.: 1323306	22 32 46 68	HLPD, DIN 51 524-2	Hydraulic oil HLPD for use in agricultural, construction and plant machinery. HLP-D 32 is zinc and ash free. MAN N 698, DENISON HF-O, Daimler DBL 6721 32 additional: AFNOR NF E 48-603 HM; ASTM D6158; DIN 51524-2 HM (exceeds the requirements for hydraulic oils HLP); ISO 11158 HM, ISO 6743-4 HM; JCMAS HK; SAE MS1004 HM; SEB 181 222; US Steel 127/136; VDMA 24318
RAVENOL Hydrauliköl TS AF Art.-No.: 1323124 Art.-No.: 1323125 Art.-No.: 1323126	32 46 68	HLP, DIN 51 524-2	High quality zinc-and ash-free hydraulic oil, alloyed on sulfur / phosphorus-basis, which has been designed specifically for use in the metal industry. 32: DIN 51 524-2, AFNOR NF E 48-603 HM, ASTM D6158, GB 111118.1 L-HM, ISO 11158/6743-4 HM, SAE MS1004 HM, US Steel 127/136; Denison HF-0, HF-1, HF-2; Eaton Vickers I-286-S, M-2950-S; Fives Cincinnati P-38, P-68; FZG-Test A 8,3/90: The 12th load level is easily achieved; GM LH-03-1-04; MAN N 698; Müller Weingarten; 46, 68: SEB 181.222, 181.226; Thyssen TH-N256-142; Timken test as per DIN E 51434; Vickers-Pumpentest, SEB 181.222, 181.226, Vickers-Pumptest, Timken-Test acc. to DIN E 51434, MAN N 698, FZG-Test A 8,3/90: 12. Loadstep
RAVENOL Frostlube F Art.-No.: 1323350 Art.-No.: 1323351	12 22	ISO 6743/4-HV	High quality, anti-wear hydraulic oil with a very high viscosity index, good shear stability and excellent low-temperature properties for application in extremely low temperatures, e.g. equipment in refrigerated warehouses or mobile facilities, which are used outdoors under extreme winter conditions.
RAVENOL Bio-Hydrauliköl (auf Esterbasis) Art.-No.: 1321104 Art.-No.: 1321105 Art.-No.: 1321106	32 46 68	HEES, DIN 51 524 VDMA 24532, VDMA 24570, VDMA 24568	Bio-hydraulic oil based on esters. Use in hydraulic systems of sewage treatment plants, dredgers and dredging, hydraulic lock and river weirs, pipes and tunneling, hydraulic power packs in the woods and fields, earth moving equipment in water, forestry equipment. ISO 15380, Rexroth Bosch Group: RE / RD 90221-01/02.10, SP Technical Research Institute, Sweden (Swedish Standard 15 54 34), fulfils the requirements of “Blauen Engel” (Environmetal friendly)

Industrial oils, specialities

Product name	Classifications		Description / Features
	ISO VG	Specification	
RAVENOL Calibration Fluid 2.5 Art.-No.: 1350131		ISO-Norm 4113-CV-AW	Test fluid for the calibration of diesel injection pumps from Bosch (VS 15665-OL-CV), MTU, MAN and Volkswagen, as corrosion preventive oil for the internal preservation or conservation of fuel systems from MTU, Lucas CAV, MB DBL 6513.
RAVENOL Turbo Oil T Art.-No.: 1331114 Art.-No.: 1331115	ISO VG 32 ISO VG 46	32 46	Siemens TLV 9013 04, TLV 9013 05, DIN 51515-1 (L-TD), -2 (L-TG) High quality lubricating oil for gas and steam turbines as well as for turbo compressors with and without gears. MIL-L-17672 D, British Standard BS 489, General Electric GEK 32568 A/C, CEGB Standard 207001, Brown Boveri HTGD 90117, U.S.Steel 120, Westinghouse Electric Corp. Turbine Oil Spec., Alstom HTGD 90117 V0001 S, Solar ES 9 224 requirements for gas turbine oils Class II (ISO VG 32).
RAVENOL Getriebeöl CLP Art.-No.: 1332106 Art.-No.: 1332107 Art.-No.: 1332108 Art.-No.: 1332109 Art.-No.: 1332110 Art.-No.: 1332111 Art.-No.: 1332112		68 100 150 220 320 460 680	DIN 51 517-3, FZG 12, US Steel 224 CLP Gear oil for the use in industrial gearboxes. US Steel 224, AGMA 9005-D94, Cincinnati Milacron, Clean Panel Coker, S-200 Oxidation Tubes
RAVENOL Getriebeoel PAO CLP Art.-No.: 1332206 Art.-No.: 1332208 Art.-No.: 1332209 Art.-No.: 1332210 Art.-No.: 1332211 Art.-No.: 1332212		68 150 220 320 460 680	DIN 51 517-3, FZG 12, US Steel 224 Premium performance, zinc- and ash-free extreme pressure lubricant designed for enclosed industrial gears and bearings operating under severe load conditions and in wide extremes of temperature. Eickhoff mining technology: Confirmation for use in gear housings, Flender Industrial Gear GE787/788 and GA880 components, Eickhoff Gear, Jahnel Kestermann, AGMA 9005-E02 (EP). David Brown S1.53.101 Type E, Cincinnati Machine P-74
RAVENOL Kompressorenoel PAO Art.-No.: 1330115 Art.-No.: 1330116 Art.-No.: 1330117 Art.-No.: 1330118		46 68 100 150	DIN 51 506 VDL Premium quality compressor oil which is specially designed to extend the service life time of compressors. Especially suitable in rotary screw air compressors.
RAVENOL Kompressorenöl VDL Art.-No.: 1330100 Art.-No.: 1330101 Art.-No.: 1330102		100 150 220	DIN 51 506 VDL Use in stationary and mobile compressors, lubrication of engines and diesel engines. ATLAS COPCO, ABAC, ALUP, CompAir, FIAC, FINI, KAESER
RAVENOL SCR Screw Kompressorenöl Art.-No.: 1330304 Art.-No.: 1330305 Art.-No.: 1330306 Art.-No.: 1330307		32 46 68 100	DIN 51 524-2 Optimal alloyed screw compressor oil, with a high performance level and a wide application area of the whole industry. Vickers pump test, FZG-Test A 8,3/90: 12th load level is reached
RAVENOL SCR PAO Screw Kompressorenöl Art.-No.: 1330314 Art.-No.: 1330315 Art.-No.: 1330316 Art.-No.: 1330317		32 46 68 100	DIN 51 506 VDL Fully synthetic compressoroil, which is specifically designed to provide effective lubrication in rotary screw air compressors. Excellent thermal stability for reducing carbon deposit formation.

Product name	Classifications		Description / Features
	ISO VG	Specification	
RAVENOL ODL Druckluftöl Art.-No.: 1323404 Art.-No.: 1323405 Art.-No.: 1323407	32 46 100		Special-compressed-air-oil for pneumatic tools of all systems. Bonds condensed water, has an excellent corrosion and wear protection. Atlas Copco, Festo, Hilti, Bosch, Makita, Black & Decker, Cress, Ryobi, DeWalt, Sumake, Seno, Hitachi.
RAVENOL Wärmeträgeröl Art.-No.: 1330210 Art.-No.: 1330212	32 68		Mineral oil-based heat transfer oil for use in heat transfer systems with forced circulation. DIN 51 522, Heat transfer fluid Q32 according to DIN 51 502
RAVENOL Traföl 1000P Art.-No.: 1330201		IEC 60296 (03)	Insulating oil for transformers and switches.
RAVENOL Gatteröl Art.-No.: 1350370	320		Adhesive-capable lubricating oil for use in (open) bearings from metal finishing industries, as well as textile, packaging and web presses.
RAVENOL Feinmechaniköl Art.-No.: 1350360			Universal fluid for bicycles, sewing machines, household and office applications, locks, tool, etc..
RAVENOL Vakuumpumpenöl ISO VG Art.-No.: 1330704 Art.-No.: 1330705 Art.-No.: 1330706 Art.-No.: 1330707 Art.-No.: 1330708	32 46 68 100 150	ISO 6743-3 DVA & DVC DIN 51 506 VC	Vacuum pump oil. Vickers Vane Pump, AFNOR NF E 48-603 (HM, HV), Leybold-Heraeus 175, Edwards Ultragrade 19, Alcatel 100, 119 and 120, PVR Rotant, Becker vacuum pumps, Hyvac 93055, Ulvac 100, BUSCH VM and VMH, Balzers P3, Kinney Type A, Beckmann 19, Fisherbrand 19, SAVANT SPO-1
RAVENOL Bettbahnöl Art.-No.: 1350374 Art.-No.: 1350375 Art.-No.: 1350376 Art.-No.: 1350377 Art.-No.: 1350378	32 46 68 150 220	DIN 51 502 CGLP, DIN 51 517-3 CLP, DIN 51 524-2 HLP	Way-sliding oil for heavy-duty performance. 32: AFNOR E 60-203 L-G/HG, GB 11118.1-94 L-HG/HM, ISO 6743-6 CKC, ISO 6743-13 GA/GB; ISO 11158 HG/HM, ISO 19378 GA/GB, SAE MS 1007 Type E, SH/T 0361-98 L-G, Eaton Vickers M-2950-S, General Motors LS2 LW-03-1-04, Fives Cincinnati P-53
RAVENOL Turbinenöl T32 Art.-No.: 1330354	32	6743-0, DIN 51 515	High quality turbine oil. BS 489, CEEB Standard 207001, General Electric GEK 32568 A/C, MIL-L-17672 D, Siemens TLV 9013 04/01, Alstom HTGD 90117 V0001 S, Brown Boveri HTGD 90117, Solar ES 9 224 Classe II (ISO VG 32), U.S. Steel 120, Westinghouse Electric Corp. Turbine Oil. Spec.
RAVENOL Turbinenöl T46 Art.-No.: 1330355	46	6743-0, DIN 51 515-1 (L-TD), -2 (L-TG)	High quality turbine oil. BS 489, CEEB Standard 207001, General Electric GEK 32568 A/C, MIL-L-17672 D, Siemens TLV 9013 04/01, Alstom HTGD 90117 V0001 S, Brown Boveri HTGD 90117, U.S. Steel 120, Westinghouse Electric Corp. Turbine Oil. Spec.
RAVENOL Turbinenöl T68 Art.-No.: 1330356	68	6743-0, DIN 51 515 (L-TD)	High quality turbine oil. BS 489: 1999, Siemens TLV 9013 04, Alstom HTGD 90117
RAVENOL Turbinenöl T100 Art.-No.: 1330357	100	6743-0, DIN 51 515 (L-TD)	High quality turbine oil. BS 489: 1999, Siemens TLV 9013 04
RAVENOL Sägekettenöl S 85 Art.-No.: 1350300			Based on mineral oil, for all types of chain saws.
RAVENOL Super Sägekettenöl Art.-No.: 1350301			Readily biodegradable chainsaw oil. KWF-Test with test-no. 4979

Lubricating greases

Product name	Classifications		Description / Features
	NLGI	Specification according to DIN 51 502	
RAVENOL Mehrzweckfett OML Art.-No.: 1340101	2	K2K-30	Lithium saponified multipurpose grease for the lubrication of lightly loaded bearings and all machine parts. ISO 6743-9: ISO-L-XCCEA2
RAVENOL Mehrzweckfett mit Graphit Art.-No.: 1340102	2	KPF2K-30	Lithium saponified multipurpose grease with finely divided graphite to increase the loading at very high temperatures. Designed for applications exposed to high temperatures and shock loadings. ISO 6743-9: ISO-L-XCCFB2
RAVENOL Mehrzweckfett mit MoS2 Art.-No.: 1340103	2	KPF2K-30	Lithium saponified grease with molybdenum sulfide MoS2 for lubricating hard to reach places, and reciprocating machine parts for chassis lubrication. Salt water resistant. ISO 6743-9: ISO-L-XCCIB2
RAVENOL Super EP-Langzeitfett Art.-No.: 1340104	2	KP2K-30	Lithium saponified grease for long-term lubrication of heavily loaded plain and rolling bearings, even under the influence of moisture, vibration and shock loads. ISO 6743-9: ISO-L-XCCFB2, LOVAT LOV-204
RAVENOL LKW FETT BLAU Art.-No.: 1340117	2	KP2N-30	Blue colored lithium saponified multipurpose grease based on mineral oil for the lubrication of heavily loaded plain and rolling bearings of trucks and construction equipment, even under the influence of moisture, vibration and shock loads. ISO 6743-9: ISO-L-XCDIB2, VOLVO STD „Lubricating grease 97720“, MAN 283 Li-P2, MB 267.0
RAVENOL Wälzlagerfett LI-86 Art.-No.: 1340105	3	K3K-30	Lithium saponified bearing grease for the lubrication of high-speed roller and ball bearings. Especially for chassis lubrication, lubrication of construction equipment and agricultural equipment. Highly resistant to dirt and water. ISO 6743-9: ISO-L-XCCFA3
RAVENOL KFZ-Fließfett ZSA Art.-No.: 1340107	00	GP00K-30	Lithium soap EP grease for central lubrication systems mobile. It is recommended for FF VOGEL central lubrication systems ZSA, Mercedes-Benz and MAN. ISO 6743-9: ISO-L-XCCEB00, MAN 283 Li-P 00/000, MB 264.0, Willi Vogel, DTFR 33B100 (MB 264.0)
RAVENOL Polfett-Säureschutzfett Art.-No.: 1340115	2	K2K-30	Lithium saponified multi-purpose grease to protect contacts and metal parts from aggressive acids. ISO 6743-9: ISO-L-XCCEA2

Product name	Classifications		Description / Features
	NLGI	Specification according to DIN 51 502	
RAVENOL Kupferpaste Art.-No.: 1340109	1-2	KF1, 5U-20	Lithium saponified grease with copper powder as a solid lubricant additive for the lubrication of screw and bushings in drill pipes. ISO 6743-9: ISO-L-XBGEB1-2, Operational temperature range -20°C to +1100°C
RAVENOL Extreme Pressure Grease EPG 3 Art.-No.: 1340127	3	KP3K-30	Lithium saponified universal high-performance grease for industrial and automotive applications. Used as a lubricant and bearing grease to lubrication points of motor vehicles, equipment, machinery, conveyor systems, construction equipment, etc.. ISO 6743-9: ISO-L-XCCEB3
RAVENOL Hot Red Grease HRG 2 Art.-No.: 1340121	2	KP2P-35	Red colored lithium saponified high performance grease for the lubrication of high pressure loaded roller and plain bearings at elevated storage temperatures. Use for the wheel bearing lubrication of commercial vehicles and for high-speed passenger car wheel bearings. ISO 6743-9: ISO-L-XCEEB2, MAN 284 Li-H2, MB 265.1
RAVENOL Hot Red Grease HRG 3 Art.-No.: 1340122	3	KP3P-25	Red colored lithium saponified high performance grease for the lubrication of high pressure loaded roller and plain bearings at elevated storage temperatures. Use for the wheel bearing lubrication of commercial vehicles and for high-speed passenger car wheel bearings. ISO 6743-9: ISO-L-XBEEB3
RAVENOL Arctic Green Grease AGG 2 Art.-No.: 1340126	2	KPE2K-60	Green colored lithium saponified high performance grease based on synthetic/native esters, synth. Hydrocarbons and high quality mineral oils. Suitable for the lubrication of high pressure loaded roller and plain bearings at very low temperatures. ISO 6743-9: ISO-L-XECEB2
RAVENOL Arctic Tripoid Grease ATG 2 Art.-No.: 1340125	2	KPFE2K-60	Lithium saponified high performance grease with molybden disulfide MoS2 based on synthetic/native esters, synth. Hydrocarbons and high quality mineral oils. Suitable for the lubrication of high pressure loaded roller and plain bearings at very low temperatures. ISO 6743-9: ISO-L-XECEB2
RAVENOL Marinefett Art.-No.: 1340128	2	KP2K-30	Yellow-green, fluorescent, sea-water resistant lubrication grease with long-term adhesion properties. It is based on a special, calcium soap and a high-viscous synthetic base oil, as well as specifically selected active ingredients to protect against oxidation, rust and corrosion. ISO 6743-9: ISO-L-XCCFB2
RAVENOL Universal Fließfett Art.-No.: 1340129	0	GP0K-30	High-quality lithium-saponified multi-purpose grease based on highly viscous paraffinic base oils with heavy metal and chlorine-free EP additives. Protects against corrosion and wear, has the ability to creep and is resistant to centrifugation. ISO 6743-9: ISO-L-XCCFB0

Additives and brake fluids

Product name	Classifications	Description / Features
RAVENOL Petrol Quality Protect Art.-No.: 1390208		Improves starting behavior. Corrosion and aging protection during long standstill periods.
RAVENOL Petrol Power Performance Art.-No.: 1390206		Additive for petrol engines for cleaning all components in contact with fuel. Ensures a technically safe and economic operation. Also when using E10 petrol blend.
RAVENOL Petrol Clean Extreme Art.-No.: 1390207		Cleans and protects the injection system from corrosion. Removes resinous and varnish-type deposits on a microscale on fuel injection valves and fuel volume distributors and therefore, ensures precision control of fuel injection valves.
RAVENOL Petrol Octane Booster Art.-No.: 1390209		Higher performance by increasing octanenumber. For performance enhancement with low grade fuel.
RAVENOL Diesel Power Performance Art.-No.: 1390246		Additive for all diesel engines for cleaning the diesel system, increasing operational safety and for the economic feasibility of diesel engines. Cleans and protects the diesel fuel system.
RAVENOL Diesel Clean Extreme Art.-No.: 1390247		Cleans the fuel injection system for low soot combustion. Prevents rattling noises and rough idling.
RAVENOL Diesel Cetane Booster Art.-No.: 1390249		Improves the ignition behavior, especially during cold starts. Increases the cetane rating of the diesel fuel.
RAVENOL Diesel Quality Stabilisator Art.-No.: 1390244		Optimized storage stability and antibacterial effect. For storage and overwintering purposes and to prevent start problems after longer standstill periods.
RAVENOL DPF Cleaner Art.-No.: 1390250		High-performance additive for reducing soot emissions from diesel vehicles with DPF. It reduces exhaust emissions and maintains engine performance when used regularly.

Product name	Classifications	Description / Features
RAVENOL Professional Engine Cleaner Art.-No.: 1390323		Motor cleaning concentrate against black sludge. Effectively breaks down dirt accumulation and sludge deposits in the engine compartment using intensive-cleaning tensides and removes these effectively when draining used oil.
RAVENOL Professional Radiator Stop Leak Art.-No.: 1390301		Seals small leaks, safe and fast to increase operational safety.
RAVENOL Professional Radiator Cleaner Art.-No.: 1390302		Cleaning concentrate for the cooling and heating system. Breaks down and binds greasy and oily deposits in radiators, heating systems and pipelines.
RAVENOL ATF Flush Art.-No.: 1390502		Active ingredient concentrate for the cleaning of all types of automatic transmissions. It protects against corrosion and premature wear. Suitable for use with the RAVENOL Dynamic Exchanger.
RAVENOL Motobike System Cleaner Shot Art.-No.: 1390401		Fuel additive with high levels of cleaning and corrosion-protecting additives for all motorcycle gasoline injection engines, which increases the performance of the engine.
RAVENOL Motobike Engine Cleaner Shot Art.-No.: 1390402		Highly effective cleaning concentrate with lubricating components for the efficient cleaning of all motorcycle engines (with and without catalytic converter).
RAVENOL CeramiX-Pro Art.-No.: 1390324		High-performance engine oil additive for modern petrol and diesel engines with ultra-fine ceramic particles to reduce friction and wear in the engine.
RAVENOL Adblue® Art.-No.: 1390600	ISO 22241, AUS 32 (CEFIC)	Synthetically produced urea solution (32.5%) to reduce nitrogen oxides in diesel engines.
RAVENOL Clean & Protect für AdBlue® Art.-No.: 1390601		Specially developed active ingredient for regular use in systems with SCR catalytic converters. Cleans AdBlue® /urea dosing systems and SCR catalytic converters and prevents crystal formation, thus preventing damage caused by clogging.

Product name	Classifications	Description / Features
RAVENOL Clean & Protect Premix für AdBlue® Art.-No.: 1390602		Specially developed active ingredient for regular use in systems with SCR catalytic converters. Cleans AdBlue® /urea dosing systems and SCR catalytic converters and prevents crystal formation, thus preventing damage caused by clogging.
RAVENOL DOT 4 Art.-No.: 1350601	ISO 4925 FMVSS 116 DOT 4	DOT 4 Brake fluid for all vehicles with ABS-Characteristics. SAE J1704
RAVENOL DOT 4 LV Art.-No.: 1350605	ISO 4925 (6) FMVSS 116 DOT 4	Brake and Clutch Fluid which conforms to and exceeds the latest ISO 4925 Class 6 standard. Especially suitable for low temperatures. SAE J 1703, SAE J 1704 and ISO 4925 (classes 3, 4 & 6)
RAVENOL DOT 5.1 Art.-No.: 1350602	ISO 4925 FMVSS 116 DOT 5.1	DOT 5.1 Brake fluid for all vehicles with ABS-characteristics, that require this specification. SAE J1704



Adhesives and sealants

Product name	Description / Features
RAVENOL Flächendichtung RV 57-4 Art.-No.: 1345100	Ideally suited for sealing flanges of various sizes and types. Ensures a tight connection without damaging the surface.
RAVENOL Schraubensicherung RV 24-3 Art.-No.: 1345101	Threadlocker ensures a tight connection without damaging the threads and is able to bridge gaps of up to 0.25 mm.
RAVENOL Universaldichtung Art.-No.: 1345102	Universal gasket based on a polyester resin. Suitable for sealing various components in combination with solid gaskets.
RAVENOL High Performance Motordichtung Art.-No.: 1345103	
RAVENOL Montagepaste 1200 Art.-No.: 1345104	
RAVENOL Dichtstoffentferner Art.-No.: 1345105	

Accessories and workshop equipment

Product name	Description / Features
RAVENOL Feinmechaniköl Art.-No.: 1350360	Universal fluid for bicycles, sewing machines, household and office applications, locks, tool, etc..
RAVENOL Ölfasspumpe Art.-No.: 1370190	Dispensing telescopic oil hand pump. Fits most drum sizes from 60L – 208L.
RAVENOL Fettpresse RAVENOL Hydraulik- Mundstück Art.-No.: 1370040 Art.-No.: 1370044	Hand operated lever cartridge pump for greases with armor tube.
RAVENOL Düsenrohr/ Panzerschlauch Art.-No.: 1370041 Art.-No.: 1370042 30 cm Art.-No.: 1370043 50 cm	Nozzle tube suitable for hand lever pump (Art. 1370040).
RAVENOL Messkanne Art.-No.: 1370052 500 ml Art.-No.: 1370053 1L Art.-No.: 1370054 2L	Jug cap with measuring bar. Available in 500 ml , 1 L and 2L.
RAVENOL Plastik-Trichter o. Sieb gerade 50 mm, 70 mm, 90 mm, 115 mm, 150 mm Art.-No.: 1370081 50 mm Art.-No.: 1370082 70 mm Art.-No.: 1370083 90 mm Art.-No.: 1370084 115 mm Art.-No.: 1370085 150 mm	Plastic-funnel without sieve is suitable for filling in all kinds of liquids.
RAVENOL Plastik-Trichter m. Messingsieb 195 mm, 235 mm Art.-No.: 1370086 195 mm Art.-No.: 1370087 235 mm	Plastic funnel with brass sieve is suitable for filling in all kinds of liquids.
RAVENOL Plastik-Trichter abg. Ausl. + Sieb 160 mm Art.-No.: 1370110	Plastic funnel with angel leak and brass sieve of 160 mm is suitable for filliing in all kinds of liquids.
RAVENOL Plastik-Trichter flex. Rohr + Sieb 160 mm Art.-No.: 1370120	Plastic funnel with flexible pipe and brass sieve of 160 mm is suitable for filliing in all kinds of liquids.
RAVENOL Mehrzweckwanne 7l Art.-No.: 1370170	Multi purpose tub for oil change use and many other application fields. With red strainer, usefull spout and eyelet for suspending.
RAVENOL Fluid Syringe with Discharge Art.-No.: 1370181	A transparent plastic oil extractor pump with an oil syringe and a container with a capacity of approx. 1 L. Using this product, oils and other liquids can be extracted out of the attached container and also refilled using pressure.
RAVENOL Utility In & Out Fluid Syringe Art.-No.: 1370180	A transparent oil extractor pump with a plastic oil syringe which can be used to extract and refill oils or other fluids. Capicity 0,35L.

Product name	Description / Features
Ölverkaufs-Ständer (Metall) Art.-No.: 1370199	Oil display stand (metal) with three levels for different packages like 1L, 4L, 5L, 7L. Easy to assembly, incl. screw wrench. Optional equipment: Art. 1370198 Rollen-Set: a package of four rolls, therefrom two with brakes.
RAVENOL Ölverkaufs-Ständer (Pappe) Art.-No.: 1370200	Wing display in carbon look for motor oil cans. Side walls with plastic profile edges (black). The complete display is coated with high gloss foil. Flexible construction, easy to assemble.
RAVENOL Pappaufsteller Set Art.-No.: 1370202	Set of three cardboard-standups motives: RAVENOL-drum, RAVENOL-can, woman with RAVENOL-can material: carton GD2 230 g print: 4-colored, glossy film
RAVENOL Bag-in-Box-Ständer Art.-No.: 1370220 Art.-No.: 1370221	Metal outer box on castors Powder coated in RAVENOL blue Holding devices for ten or six bag-in-box
RAVENOL Auslaufhahn Art.-No.: 1370310 Art.-No.: 1370330 (Auslaufhahn 3/4 Zoll f. 60 l / 200 l Blechfass)	Dispensing tap, to fill -Chemicals -Disinfectants -Cleaners -Lubricants, engine- and transmission oils -Liquid foods -Water
RAVENOL Druckpumpzerstäuber 1L Art.-No.: 1370351	Plastic pressure sprayer which can be flexibly used for a range of tasks. Maximum capacity 0.9 L at a pressure of 3 bar.
RAVENOL Hand-Reinigungstücher 10er Art.-No.: 1360704	Moist hand cleaning wipes with antibacterial effect. Cleans the hands of heavy dirt and protects them with its active care ingredients. The wipes neutralise smells.
RAVENOL Oil-Absorber Art.-No.: 1370613	Highly effective multi-absorbent with a binding capacity of 9,9L per 15L bag: grain size: 0.125 - 4mm, 100% organic, floatable binder, type I, II, III R, SF. It takes effect within a few seconds and can absorb a variety of chemicals in addition to oil, including: lubricants, liquids, coolants, fuels, oil paints, aerosols, etc..
RAVENOL Kofferraumtasche Art.-No.: 1510221	The durable and versatile RAVENOL Car Organizer Bag provides 27 liters of space to store oil, cleaners, additives, and tools, ensuring a tidy trunk. Sturdy, non-slip, and easy to clean –a must-have for every driver!
RAVENOL Mikrofaser-tücher Autopflegeset Art.-No.: 1530538	The RAVENOL Microfiber Cloths Car Care Set offers everything for thorough vehicle care with specially developed cloths for rims, dashboards, insects, upholstery, paint, and glass. A convenient polyester organizer bag is included for easy storage and transport.
RAVENOL Mikrofaser Trockentuch Twisted Loop Art.-No.: 1530596	The RAVENOL Microfiber Drying Towel Twisted Loop offers exceptional absorbency and a scratch-free finish, making it ideal for achieving spotless results. Its durable, lint-free, and eco-friendly design ensures long-lasting performance, making it a must-have for professional and at-home car care routines.
RAVENOL Pinsel Detailing Set Art.-No.: 1530597	The RAVENOL Brush Detailing Set provides precise tools with various types of bristles for thorough and gentle vehicle care, both inside and out. With durable bristles and a sturdy handle, it ensures scratch-free cleaning of displays, rims, engine compartments, and more.
RAVENOL Arbeitshandschuhe Art.-No.: 1520225	The RAVENOL work gloves combine protection and comfort, making them ideal for manual tasks and ensuring full freedom of movement. Made from flexible polyester-elastane with a latex coating, they are lightweight, durable, and available in a one-sizefits-all design.
RAVENOL Mikrofaser-Handschuhe Art.-No.: 1530598	The RAVENOL Microfiber Glove features soft stretch microfiber, enabling thorough and gentle cleaning, especially in hard-to-reach areas. Its flexible one-size-fits-all design and scratchfree properties make it perfect for rims, paint inspections, and interior detailing.



Care products and cleaners

Product name	Description / Features
RAVENOL Natur-Petroleum Art.-No.: 1350110	Fluid for kerosene/oil lamp.
RAVENOL Kaltreiniger Art.-No.: 1360001	Cleaner for all kind of engines, mechanical parts etc.. Removes all traces of oil, fats, fuel, clutch and brake abrasion.
RAVENOL Kaltreiniger lösemittelfrei Art.-No.: 1360002	Cleaner for all kind of engines, mechanical parts. It quickly penetrates grease, dirt, oil and grime and swiftly removes contaminants. Does not contain solvents.
RAVENOL Teerentferner Art.-No.: 1360004	Cleaner of tar, fats, light oxidation and stains from car lacquer.
RAVENOL Autoshampoo Art.-No.: 1360005	Universal concentrated liquid detergent excellent for thoroughly cleaning cars.
RAVENOL Hochdruckreiniger Konzentrat Art.-No.: 1360007	Ready-To-Clean concentrate for use in pressure washers, according to manufacturer's recommendations. Also for cleaning vehicles and surfaces in the commercial sector.
RAVENOL destilliertes Wasser Art.-No.: 1360010	Special water for antifreeze dilution and use in accumulators.
RAVENOL Nitro-Universal-Verdünnung Art.-No.: 1360127	Application to dilute nitro, nitro-combination, chlorinated rubber, air-drying and oven-drying synthetic enamel, as well as air-and oven-drying cellulose lacquer.
RAVENOL Autopolitur Art.-No.: 1360750	Provides a high-gloss Teflon finish for car, boat and caravan. Suitable for all types of automotive coatings as well as for the chrome, wheels and wheel cleaning. Removes tar, insects, and oxidation and brings the shine back to old paint.
RAVENOL Sommer-Scheibenreiniger 1:100 (Konzentrat) Art.-No.: 1360082	Mixture for windscreen and head light wash facilities for vehicles with apple fragrance. It cleans screens thoroughly, removing silicon and greasy residues and other types of dirt.
RAVENOL Sommer-Scheibenreiniger 1:10 Art.-No.: 1360085	Mixture for windscreen and head light wash facilities for vehicles with apple fragrance. It cleans screens thoroughly, removing silicon and greasy residues and other types of dirt.

Product name	Description / Features
RAVENOL Handwaschcreme Art.-No.: 1360610	Cleans heavy soiling caused by oils, lubricants, greases, paints, printing inks or dust, etc. The high content of coconut oil components ensures optimal moisturizing and care of the skin.
Spender für RAVENOL Handwaschcreme 3L Art.-No.: 1370140	Dispenser system, specially developed for our RAVENOL Hand Clean & Care (Art. No. 1360610) in the 3L can. It is screwed onto the opened can and can be used directly. Can be used several times! Properties: Plastic lid with plastic pump system Dimensions (in mm): W 128 x H 296 x D 196
RAVENOL Rostlöser MoS2 Spray Art.-No.: 1360009	Contains finely dispersed Molybdenum Disulfide solid lubricant for outstanding water displacement, corrosion inhibition and lubricating properties. Relaxes and loosens seized screw connections, displaces water and moisture from ignition contacts and electrical systems. The penetrating nature effectively prevents squeaks and creaks in all types of moving parts.
RAVENOL Bremsenreiniger (flüssig und Spray) Art.-No.: 1360030	A highly effective solvent-blended brake cleaner aerosol for the degreasing and cleaning of brakes, brake linings and clutch parts. Also suitable for the cleaning of electric motors, generators, hydraulic parts and many other metal components. Used by many Motorsport Teams - said to leave no white film after use.
RAVENOL Ketten-Spray Art.-No.: 1360032	A spray lubricant and corrosion protection for all types of high-speed chains. Formulated to effectively penetrate all gaps and dry quickly to provide a stable, odorless lubricating film with high levels of adhesion and water resistance.
RAVENOL Silikon-Spray Art.-No.: 1360033	A universal lubricant and slide release agent spray for use on all types of components. Specially developed for the lubrication, care and maintenance of all types of rubber, plastic and metal surfaces and components. The water-resistant and weatherproofing properties make it especially suitable in a marine environment.
RAVENOL Motorstarter-Spray Art.-No.: 1360034	A mixture of combustible solvents and compressed gases formulated to make it suitable for use in all petrol and diesel engines in passenger cars, trucks, construction equipment, all types of marine and boat engines, as well as agricultural equipment.
RAVENOL Fogging Oil Art.-No.: 1360035	Anti-corrosion spray formulated to effectively protect the motor, cylinder walls, piston rings and other internal surfaces of engines. Suitable for both inboard and outboard marine engines, generators, lawnmowers, snowmobiles and other engines subject to infrequent use
RAVENOL Active Foam Cleaner Art.-No.: 1360036	Universal cleaning foam to quickly clean all of your vehicle's surfaces e.g. the bodywork or racing chassis and glass surfaces.
RAVENOL RV-46 Multi Spray Art.-No.: 1360306	Extremely versatile multi purpose spray: penetrates threads and mechanical connections, creeps under dirt, dissolves rust and protects against further corrosion. Lubricates moving parts such as hinges and joints, eliminates squeaking noises and displaces moisture from electrical contacts.

Cleaner Series

Product name	Description / Features
RAVENOL Lotus Glass Cleaner Art.-No.: 1360026	Powerful cleaner for glass and mirror surfaces that removes fingerprints, grease residues and dirt while leaving a shiny, water-repellent lotus effect.
RAVENOL Interior Cleaner Art.-No.: 1360069	Special cleaner for various surfaces in the vehicle interior that removes grease stains, traces of nicotine and other soiling while eliminating unpleasant odors.
RAVENOL Premium waterless Wash&Wax Art.-No.: 1360070	Removes all types of road dirt or insect residue without adding water and leaves a shiny protective layer with a repellent effect. Developed for manual, small-area cleaning (ideal for traveling).
RAVENOL Motobike Cleaner Art.-No.: 1360071	Easily removes stubborn dirt from motorcycles (dust, oil, grease, etc.) and is particularly suitable for the extensive material mix of motorcycles (fairings, windows, plastics, metal surfaces, etc.).
RAVENOL Insect Remover Art.-No.: 1360072	Specialized cleaner that effortlessly removes insect residues and other soiling from windows, fairings and other materials.
RAVENOL Rim Cleaner Magic Art.-No.: 1360073	Powerful, acid-free, pH-neutral cleaner for aluminum and steel rims with a color indicator that effortlessly removes intensive soiling such as brake dust and oil.
RAVENOL Marine Cleaner Eco Art.-No.: 1360074	Specially developed for cleaning and degreasing ship components, SUP and other marine applications. Removes dirt, oil, grease, soot, nicotine, algae, bird droppings, resin, etc. while protecting surfaces and sealants.
RAVENOL Detailing Elixir Art.-No.: 1360751	Specially formulated ceramic spray coating with a hybrid function. Creates and ensures a very durable protective layer that reliably protects the vehicle against weather and environmental influences as well as road dirt and small debris.
RAVENOL Carnauba-Wax Art.-No.: 1360752	Wax for caring for the paintwork, consisting of natural carnauba wax and synthetic waxes.
RAVENOL Premium Wash and Seal Art.-No.: 1360753	Car shampoo with intensive effect. Thanks to its active cleaning formula it cleans, shines and additionally seals the paintwork.
RAVENOL Plastic Car Care Art.-No.: 1360754	Plastic Car Care specially developed for plastic and rubber surfaces in vehicle interiors. Maintains and preserves the optimum material properties of the treated surfaces.
RAVENOL Leather Car Care Art.-No.: 1360755	Leather Car Care, specially developed for leather and artificial leather in vehicle interiors. Maintains and preserves the optimum smoothness of the treated leather.
RAVENOL Car Textile Sealant Art.-No.: 1360756	Sealing reliably protects the respective fabric against the penetration of water, dirt and contaminated liquids and the like.

Coolant + antifreeze

Product name	Classifications	Description / Features
RAVENOL TTC Concentrate Protect C11 Art.-No.: 1410100	PROTECT C11	Coolant of yellow-green colour. It provides effective frost and corrosion protection. Application according mixture table. VW TL 774-C (acc. to G11); MAN 324NF; AFNOR R15-601 (France); BS 6580 (GB); CUNA NC 956-16 (Italy); JIS K 2234 (Japan); O Norm V 5123 (Austria); UNE 25-361 (Spain); ASTM D 1384; ASTM D 2570; ASTM D 2809; ASTM D 3306 Type 1; ASTM D 4985; ASTM D 6210 Type 1-FF; SAE J1034; CHRYSLER MS 7170; FIAT 9.55523, FIAT PARAFLU 11; FORD WSS-M97B51-A1; IVECO 18-1830; Suzuki.
RAVENOL TTC Premix -40°C Protect C11 Art.-No.: 1410105	PROTECT C11	Coolant of yellow-green colour with frost and corrosion protection premixed to -40°C. VW TL 774-C (acc. to G11); MAN 324NF; AFNOR R15-601 (France); BS 6580 (GB); CUNA NC 956-16 (Italy); JIS K 2234 (Japan); O Norm V 5123 (Austria); UNE 25-361 (Spain); ASTM D 1384; ASTM D 2570; ASTM D 2809; ASTM D 3306 Type 1; ASTM D 4985; ASTM D 6210 Type 1-FF; SAE J1034; CHRYSLER MS 7170; FIAT 9.55523, FIAT PARAFLU 11; FORD WSS-M97B51-A1; IVECO 18-1830; Suzuki.
RAVENOL TTC Hot Climate -15°C Protect C11 Art.-No.: 1410106	PROTECT C11	Coolant of yellow-green colour with frost and corrosion protection premixed to -15°C. VW TL 774-C (acc. to G11); MAN 324NF; AFNOR R15-601 (France); BS 6580 (GB); CUNA NC 956-16 (Italy); JIS K 2234 (Japan); O Norm V 5123 (Austria); UNE 25-361 (Spain); ASTM D 1384; ASTM D 2570; ASTM D 2809; ASTM D 3306 Type 1; ASTM D 4985; ASTM D 6210 Type 1-FF; SAE J1034; CHRYSLER MS 7170; FIAT 9.55523, FIAT PARAFLU 11; FORD WSS-M97B51-A1; IVECO 18-1830; Suzuki.
RAVENOL TTC COLD CLIMATE -60°C Protect C11 Art.-No.: 1410140	PROTECT C11	Coolant of yellow-green colour with frost and corrosion protection premixed to -60°C. VW TL 774-C (acc. to G11); MAN 324NF; AFNOR R15-601 (France); BS 6580 (GB); CUNA NC 956-16 (Italy); JIS K 2234 (Japan); O Norm V 5123 (Austria); UNE 25-361 (Spain); ASTM D 1384; ASTM D 2570; ASTM D 2809; ASTM D 3306 Type 1; ASTM D 4985; ASTM D 6210 Type 1-FF; SAE J1034; CHRYSLER MS 7170; FIAT 9.55523, FIAT PARAFLU 11; FORD WSS-M97B51-A1; IVECO 18-1830; Suzuki.
RAVENOL OTC Concentrate Protect C12+ Art.-No.: 1410110	PROTECT C12+	Coolant of lilac colour. It provides highly effective frost and corrosion protection. Application according mixture table. DTFR 29C110 (MB 325.3), MAN 324 SNF, DEUTZ DQC CB-14, MB 325.3, VW/Audi TL 774-D/F (acc. to G12 plus quality), Opel GM 6277M, Opel GM B 040 1065, Ford WSS-M 97 B44D (from model year 1999), FORD 1336797, 1336807, 1365305, Jaguar Land Rover STJLR 651.5003, Jaguar JLM209722, Land Rover STC50529, Porsche, Mitsubishi 0103044, 0103045, MZ311986, Toyota 08889-00115, 08889-01005, 08889-80014, 08889-80015, 00272-1LLAC, VOLVO 9437650, 9437651, VW G012A8GM1, G012A8FM8, G012A8FM9. Included in the list of recommendations of the LAWA for water management requirements for geothermal probes and geothermal collectors.
RAVENOL OTC Premix -40°C Protect C12+ Art.-No.: 1410112	PROTECT C12+	Coolant of lilac colour with frost and corrosion protection premixed to -40°C. DTFR 29C110 (MB 325.3), DTFR 29D110 (MB 326.3), MAN 324 SNF, DEUTZ DQC CB-14, MB 326.3, VW/Audi TL 774-D/F (acc. to G12 plus quality), Opel GM 6277M, Opel GM B 040 1065, Ford WSS-M 97 B44D (from model year 1999), FORD 1336797, 1336807, 1365305, Jaguar Land Rover STJLR 651.5003, Jaguar JLM209722, Land Rover STC50529,Porsche, Mitsubishi 0103044, 0103045, MZ311986, Toyota 08889-00115, 08889-01005, 08889-80014, 08889-80015, 00272-1LLAC, VOLVO 9437650, 9437651, VW G012A8GM1, G012A8FM8, G012A8FM9, DAF 74002.
RAVENOL OTC Hot Climate -15°C Protect C12+ Art.-No.: 1410113	PROTECT C12+	Coolant of lilac colour with frost and corrosion protection premixed to -15°C. DTFR 29C110 (MB 325.3), MAN 324 SNF, DEUTZ DQC CB-14, MB 325.3, VW/ Audi TL 774-D/F (acc. to G12 plus quality), Opel GM 6277M, Opel GM B 040 1065, Ford WSS-M 97 B44D (from model year 1999), FORD 1336797, 1336807, 1365305, Porsche, Mitsubishi 0103044, 0103045, MZ311986, Toyota 08889-00115, 08889-01005, 08889-80014, 08889-80015, 00272-1LLAC, VOLVO 9437650, 9437651, VW G012A8GM1, G012A8FM8, G012A8FM9, DAF 74002.

Product name	Classifications	Description / Features
RAVENOL OTC COLD CLIMATE -60°C Protect C12+ Art.-No.: 1410141	PROTECT C12+	Coolant of lilac colour with frost and corrosion protection premixed to -60°C. DTFR 29C110 (MB 325.3), MAN 324 SNF, DEUTZ DQC CB-14, MB 325.3, VW/ Audi TL 774-D/F (acc. to G12 plus quality), Opel GM 6277M, Opel GM B 040 1065, Ford WSS-M 97 B44D (from model year 1999), FORD 1336797, 1336807, 1365305, Porsche, Mitsubishi 0103044, 0103045, MZ311986, Toyota 08889-00115, 08889-01005, 08889-80014, 08889-80015, 00272-1LLAC, VOLVO 9437650, 9437651, VW G012A8GM1, G012A8FM8, G012A8FM9, DAF 74002.
RAVENOL HTC Concentrate Protect MB325.0 Art.-No.: 1410120	PROTECT MB325.0	All year-round coolant of blue colour. It provides highly effective frost and corrosion protection for Mercedes, BMW, Opel, Saab and General Motors engines. Application according mixture table. DTFR 29C100 (MB 325.0), DTFR 29D100 (MB 326.0), MB 325.0, VW TL 774-C, MB A000989082510, ASTM D3306, ASTM D4985, ASTM D4340, SAE J1034, NATO S-759, FORD ESE-M978B4H-A, FORD AF Plus, MAN 324, SAAB, GM 1825M, OPEL-GM QL130100, DAF, GM 1899M, GM 93740141, GM 93740140, VW-AUDI-PORSCHE, GM SATURN, ROVER, PORSCHE, John Deere, JAGUAR, BMW 81 22 9 407 454, 83 19 2 211 191, RENAULT Glaceol RX Type D, Honda OL999-9011. Included in the list of recommendations of the LaWa for water management requirements for geothermal probes and geothermal collectors. Please follow manufacturer's recommendations.
RAVENOL HTC Premix -40°C Protect MB325.0 Art.-No.: 1410121	PROTECT MB325.0	All year-round coolant of blue colour with frost and corrosion protection premixed to -40°C. DTFR 29C100 (MB 325.0), DTFR 29D100 (MB 326.0), MB 326.0, VW TL 774-C, MB 325.0, MB A000989082510, ASTM D3306, ASTM D4985, ASTM D4340, SAE J1034, NATO S-759, FORD ESE-M978B4H-A, FORD AF Plus, MAN 324, SAAB, GM 1825M, OPEL-GM QL130100, DAF, GM 1899M, GM 93740141, GM 93740140, VW-AUDI-PORSCHE, GM SATURN, ROVER, PORSCHE, John Deere, JAGUAR, BMW 81 22 9 407 454, 83 19 2 211 191, RENAULT Glaceol RX Type D, Honda OL999-9011
RAVENOL HTC Hot Climate -15°C Protect MB325.0 Art.-No.: 1410119	PROTECT MB325.0	All year-round coolant of blue colour with frost and corrosion protection premixed to -15°C. DTFR 29C100 (MB 325.0), DTFR 29D100 (MB 326.0), MB 325.0, VW TL 774-C, MB A000989082510, ASTM D3306, ASTM D4985, ASTM D4340, SAE J1034, NATO S-759, FORD ESE-M978B4H-A, FORD AF Plus, MAN 324, SAAB, GM 1825M, OPEL-GM QL130100, DAF, GM 1899M, GM 93740141, GM 93740140, VW-AUDI-PORSCHE, GM SATURN, ROVER, PORSCHE, John Deere, JAGUAR, BMW 81 22 9 407 454, 83 19 2 211 191, RENAULT Glaceol RX Type D, Honda OL999-9011
RAVENOL HTC COLD CLIMATE -60°C Protect MB325.0 Art.-No.: 1410142	PROTECT MB325.0	All year-round coolant of blue colour with frost and corrosion protection premixed to -60°C. DTFR 29C100 (MB 325.0), DTFR 29D100 (MB 326.0), MB 325.0, VW TL 774-C, MB A000989082510, ASTM D3306, ASTM D4985, ASTM D4340, SAE J1034, NATO S-759, FORD ESE-M978B4H-A, FORD AF Plus, MAN 324, SAAB, GM 1825M, OPEL-GM QL130100, DAF, GM 1899M, GM 93740141, GM 93740140, VW-AUDI-PORSCHE, GM SATURN, ROVER, PORSCHE, John Deere, JAGUAR, BMW 81 22 9 407 454, 83 19 2 211 191, RENAULT Glaceol RX Type D, Honda OL999-9011
RAVENOL HJC Concentrate Protect FL22 Art.-No.: 1410122	PROTECT FL22	Coolant of green colour. It provides highly effective frost and corrosion protection. Application according mixture table. Mazda FL22 Coolant, Mazda 000077508E20, C122CL005A4X, C100CL005A4X; Ford WSSM97B55 (Motorcraft Specialty Green Engine Coolant), Ford VC-10-A2; 08CLAG010S0 Honda E Coolant; Hyundai Long Life Coolant, Hyundai 07100-00200, 07100-00400, 00232-19010; Nissan Anti-freeze Coolant (L250); Nissan KE90299934, KE90299944; Subaru Coolant 16218; Suzuki Longlife Coolant.
RAVENOL HJC Premix -40°C Protect FL22 Art.-No.: 1410123	PROTECT FL22	Coolant of green colour with frost and corrosion protection premixed to -40°C. Mazda FL22 Coolant, Mazda 000077508E20, C122CL005A4X, C100CL005A4X; Ford WSSM97B55 (Motorcraft Specialty Green Engine Coolant), Ford VC-10-A2; 08CLAG010S0 Honda E Coolant; Hyundai Long Life Coolant, Hyundai 07100-00200, 07100-00400, 00232-19010; Nissan Anti-freeze Coolant (L250); Nissan KE90299934, KE90299944; Subaru Coolant 16218; Suzuki Longlife Coolant.

Product name	Classifications	Description / Features
RAVENOL HJC Hot Climate -15°C Protect FL22 Art.-No.: 1410124	PROTECT FL22	Coolant of green colour with frost and corrosion protection premixed to -15°C. Mazda FL22 Coolant, Mazda 000077508E20, C122CL005A4X, C100CL005A4X; Ford WSSM97B55 (Motorcraft Specialty Green Engine Coolant), Ford VC-10-A2; 08CLAG010S0 Honda E Coolant; Hyundai Long Life Coolant, Hyundai 07100-00200, 07100-00400, 00232-19010; Nissan Anti-freeze Coolant (L250); Nissan KE90299934, KE90299944; Subaru Coolant 16218; Suzuki Longlife Coolant.
RAVENOL HJC COLD CLIMATE -60°C Protect FL22 Art.-No.: 1410143	PROTECT FL22	Coolant of green colour with frost and corrosion protection premixed to -60°C. Mazda FL22 Coolant, Mazda 000077508E20, C122CL005A4X, C100CL005A4X; Ford WSSM97B55 (Motorcraft Specialty Green Engine Coolant), Ford VC-10-A2; 08CLAG010S0 Honda E Coolant; Hyundai Long Life Coolant, Hyundai 07100-00200, 07100-00400, 00232-19010; Nissan Anti-freeze Coolant (L250); Nissan KE90299934, KE90299944; Subaru Coolant 16218; Suzuki Longlife Coolant.
RAVENOL LTC Concentrate Protect C12++ Art.-No.: 1410125	PROTECT C12++/C13	Coolant of lilac colour. It provides highly effective frost and corrosion protection. Application according mixture table. Free of borate, nitrite, amine, phosphate. Chrysler MS-90032, DTFR 29C120 (MB 325.5), MAN 324 Si-OAT, MB 325.5, MB 325.6, Mopar 68163848AA, Mopar 68163849AA, Scania TB 1451, VW G 012 A8G M1, VW G 012 A8G M8, VW G 012 A8G M9, VW G 013 A8J M1, VW G 013 A8J M8, VW G 013 A8J M9, VW TL 774-G (meets the requirements of G12++), VW TL 774-J (meets the requirements of G13)
RAVENOL LTC Premix -40°C Protect C12++ Art.-No.: 1410126	PROTECT C12++/C13	Coolant of lilac colour. It provides highly effective frost and corrosion protection premixed to -40°C. Free of borate, nitrite, amine, phosphate. Chrysler MS-90032, DTFR 29C120 (MB 325.5), DTFR 29D120 (MB 326.5), MB 326.6 (Premix), MAN 324 Si-OAT, MB 325.5, Mopar 68163848AA, Mopar 68163849AA, Scania TB 1451, VW G 012 A8G M1, VW G 012 A8G M8, VW G 012 A8G M9, VW G 013 A8J M1, VW G 013 A8J M8, VW G 013 A8J M9, VW TL 774-G (meets the requirements of G12++), VW TL 774-J (meets the requirements of G13)
RAVENOL LTC Hot Climate -15°C Protect C12++ Art.-No.: 1410127	PROTECT C12++/C13	Coolant of lilac colour. It provides highly effective frost and corrosion protection premixed to -15°C. Free of borate, nitrite, amine, phosphate. Chrysler MS-90032, DTFR 29C120 (MB 325.5), DTFR 29D120 (MB 326.5), MB 326.6 (Premix), MAN 324 Si-OAT, MB 325.5, Mopar 68163848AA, Mopar 68163849AA, Scania TB 1451, VW G 012 A8G M1, VW G 012 A8G M8, VW G 012 A8G M9, VW G 013 A8J M1, VW G 013 A8J M8, VW G 013 A8J M9, VW TL 774-G (meets the requirements of G12++), VW TL 774-J (meets the requirements of G13)
RAVENOL ETC Concentrate Protect C12evo Art.-No.: 1410165	PROTECT C12++/C13	Eco-friendly coolant free from 2-ethylhexanoic acid. It is a borate, nitrite and phosphate-free coolant for cooling circuits in combustion engines based on 1,2- ethanediol (monoethylene glycol), which provides maintenance-free corrosion and frost protection. ASTM D3306, ASTM D4985, ASTM D6210, BMW LC-87, BS 6580:2010 (GB), Cummins CES 14603, CUNA NC 956-16 (Italy), Deutz DQC CC-14, DTFR 29C100 (MB 325.0), DTFR 29C120 (MB 325.5), Fiat 9.55523, Ford ESD-M97B49-A, IVECO 18-1830, JIS K 2234 (Japan), Liebherr LH-01-COL3A, MAN 324 NF, MAN 324 Si-OAT, MB 325.0 (concentrate), MB 325.5, MTU MTL 5048, O Norm V 5123 (Austria), SAE J1034, VOLVO TR 1286083, VOLVO TR-31854114-002, VW TL 774-L (acc. G12evo), Cummins CES 14603
RAVENOL ETC Premix -40°C Protect C12evo Art.-No.: 1410166	PROTECT C12++/C13	Ready-to-use, eco-friendly coolant free of 2-ethylhexanoic acid, premixed with water. It is a borate, nitrite and phosphate-free coolant for cooling circuits in combustion engines, based on 1.2- Ethanediol (monoethylene glycol), which provides maintenance-free corrosion and frost protection. ASTM D3306, ASTM D4985, ASTM D6210, BMW LC-87, BS 6580:2010 (GB), Cummins CES 14603, CUNA NC 956-16 (Italy), Deutz DQC CC-14, DTFR 29D100 (MB 326.0), Fiat 9.55523, Ford ESD-M97B49-A, IVECO 18-1830, JIS K 2234 (Japan), Liebherr LH-01-COL3A, MAN 324 NF, MAN 324 Si-OAT, MB 326.0 (Premix), MB 326.6 (Premix), MTU MTL 5048, O Norm V 5123 (Austria), SAE J1034, VOLVO TR 1286083, VOLVO TR-31854114-002, VW TL 774-L (acc. G12evo), Cummins CES 14603
RAVENOL ETC Hot Climate -15°C Protect C12evo Art.-No.: 1410167	PROTECT C12++/C13	Ready-to-use, eco-friendly coolant free of 2-ethylhexanoic acid, premixed with water. It is a borate, nitrite and phosphate-free coolant for cooling circuits in combustion engines, based on 1.2- Ethanediol (monoethylene glycol), which provides maintenance-free corrosion and frost protection. ASTM D3306, ASTM D4985, ASTM D6210, BMW LC-87, BS 6580:2010 (GB), Cummins CES 14603, CUNA NC 956-16 (Italy), Deutz DQC CC-14, DTFR 29D100 (MB 326.0), Fiat 9.55523, Ford ESD-M97B49-A, IVECO 18-1830, JIS K 2234 (Japan), Liebherr LH-01-COL3A, MAN 324 NF, MAN 324 Si-OAT, MB 326.0 (Premix), MB 326.6 (Premix), MTU MTL 5048, O Norm V 5123 (Austria), SAE J1034, VOLVO TR 1286083, VOLVO TR-31854114-002, VW TL 774-L (acc. G12evo), Cummins CES 14603

Winter chemicals

Product name	Description / Features
RAVENOL Scheibenfrostschutz Konzentrat Art.-No.: 1420100	Screen washer antifreeze concentrate. Appropriate for Polycarbonate windscreens, compatible with varnish, appropriate for the use in fan jets.
RAVENOL Scheibenfrostschutz -20°C Art.-No.: 1420103	Ready to use winter screenwash antifreeze with freeze protection to -20°C with a special pleasant CITRUS perfume, based on alcohols.
RAVENOL Antifrost-Enteiser Art.-No.: 1420217	Antifrost de-icer.
RAVENOL Frostschutz für Druckluftbremsen Art.-No.: 1430208	Air brake system antifreeze.
RAVENOL Fließverbesserer Art.-No.: 1430220	Diesel fuel and fuel oil additive to prevent waxing and plugging at low temperatures. Use according to mixture table.
RAVENOL Türschloss-Enteiser Art.-No.: 1430203	Lock de-icer.





The internationally recognised quality management procedures which are firmly embedded within our company ensure that the quality of our products is of a consistently high standard.

We fulfil the highest standards set by the automotive industry, as demonstrated by our **ISO/TS 16949** certification.

Our **DIN EN ISO 9001** certification also attests to this.

Documentation as well as customer-oriented processes and supplier relationships are of particular significance in this respect.

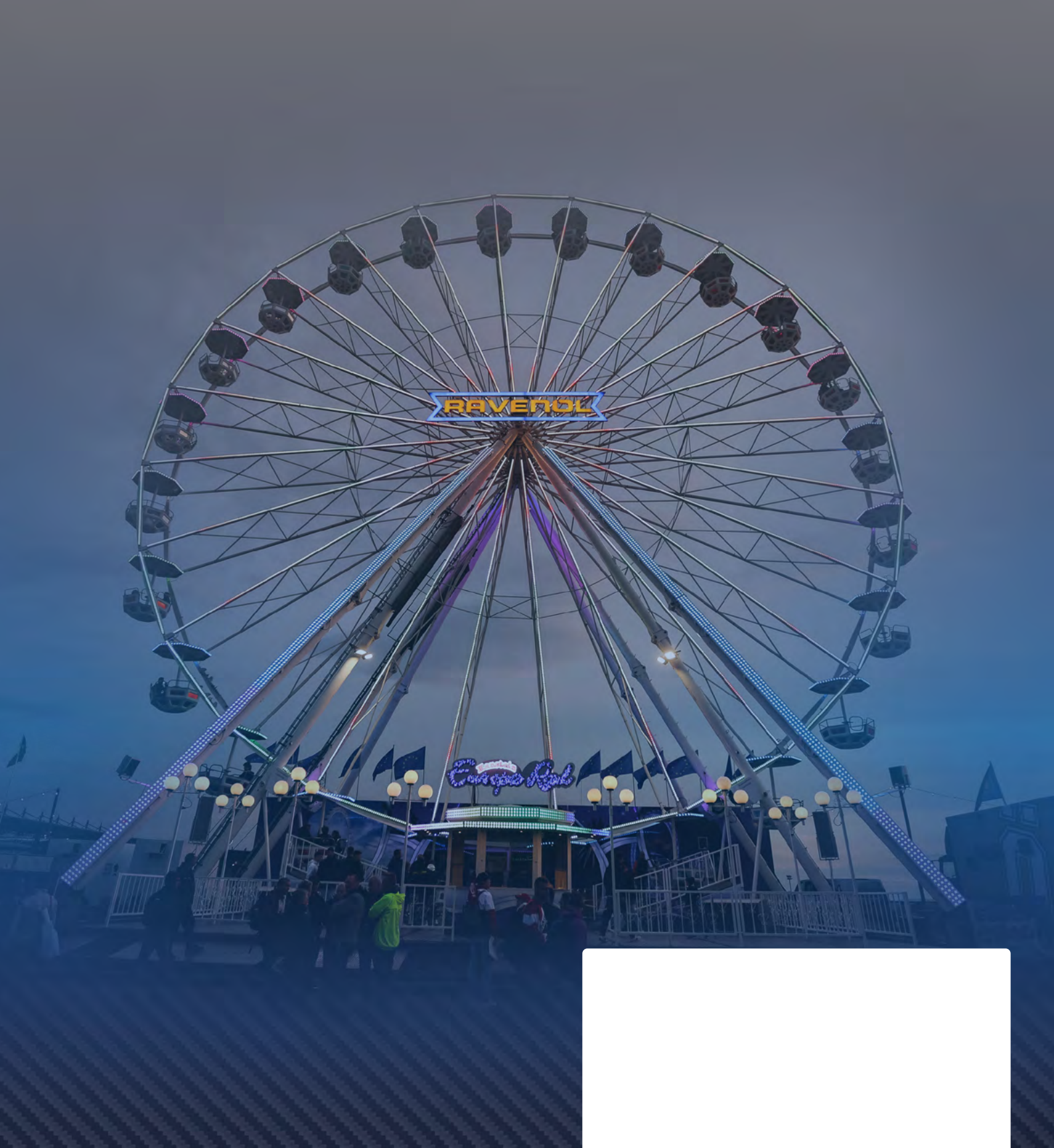
By the environmental certification according to **DIN EN ISO 14001** we are committed to sustainable use of resources and avoid adverse effects on the environment.

Constant analysis and improvement of processes are a matter of course to us and are carried out for the mutual benefit of ourselves and our customers.

The competence of our testing laboratory is regularly verified, as is proven by our certification in line with **DIN EN ISO/IEC 17025**.

Our consistently high quality standards meet manufacturer requirements as well as the specifications of the automotive industry around the world.

This is confirmed by the international approvals granted by leading OEMs (Original Equipment Manufacturers).



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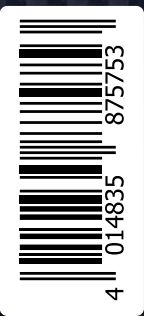
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