Hengst Oil	Specification	Information
Engine oils		
5W-30 C3 Pro Fully-synthetic multigrade engine oil	ACEA C3, API SN/CF, BMW LONGLIFE-04, GM dexos 2, MB 229.52, 229.51, 229.31, VW 502 00 / 505 00 / 505.01, MB 226.5, RENAULT RN 0700 / 0710	High performance fuel economy oil made from synthetic base oils. It is foreseen for the all-seasons use in passenger cars most modern gasoline- and diesel-engines, even with unit-injector. Due to its progressive composition it provides an extremely wide range of performances: Low sulphur-, phosphorus- and ash-content reduce poisoning of catalytic converter in gasoline engines and decrease the built-up of particles in the diesel particulate filter (DPF) and assist thus the environmental protection by lower pollution.
5W-30 C3 Pro S Fully-synthetic multigrade engine oil	ACEA C3-12, BMW LONGLIFE-04, MB 229.51, PORSCHE C30, VW 504 00 / 507 00	Modern low friction oil with an advanced performance, providing excellent wear protection and above-average cleaning power. It contributes to the service life extension of exhaust after treatment systems and contributes to their trouble-free operation.
5W-40 A3/ B4 Pro S Fully-synthetic multigrade engine oil	ACEA A3/B4, API SN/CF, BMW LONGLIFE-01, MB 226.5, MB 229.5, PSA B71 2296, VW 502 00 / 505 00, PORSCHE A40, RENAULT RN 0700 / 0710,	High performance low friction oil, which is designed for gasoline- and diesel-engines for passenger cars, and can be used especially for fuel injected and turbo charged engines. It is blended from high quality hydrocracked base oils and selected additives. This makes for a lubricant quality which fulfills and exceeds all requirements of modern passenger car engines.
5W-40 C3 Pro Fully-synthetic multigrade engine oil	ACEA C3, API SN/CF,BMW LONGLIFE-04,GM dexos 2, MB 229.51, MB 229.31, MB 226.5, VW 502 00 / 505 00 / 505 01, PORSCHE A40, RENAULT RN 0700 / RN 710, Ford WSS -M2C917-A, Fiat 9.55535-S2	High performance low friction oil of the new „Low SAP"-generation. It was designed on base of synthetic oils, and it is foreseen for passenger car engines with exhaust after treatment devices (catalytic converter, diesel particulate filter) and without. Due to its progressive conception it provides an extremely wide range of performances: Low sulphur-, phosphorus- and ash-content reduce poisoning of catalytic converter in gasoline engines and decrease the built-up of particles in the diesel particulate filter (DPF) and assist thus the environmental protection by lower pollution.
10W-40 A3/ B4 Pro Semi-synthetic multigrade engine oil	ACEA A3/B4-12 API SL/CF, MB 229.1, VW 505 00, RENAULT RN 0700, PSA B71 2296	Semi-synthetic low friction oil to be used in passenger cars gasoline- and diesel-engines and diesel engines. It is produced by blending high quality synthetic components and mineral base stocks and additives of most progressive technology. Suitable also under severe operating conditions in modern passenger car engines, turbo or non-turbo charged.
15W-40 E9 HD Pro Semi-synthetic multigrade engine oil	ACEA E9-12/E7-12, API CJ-4/CI-4/CI-4 Plus/SN, Catepillar ECF-3 / ECF-2 / ECF-1a, Cummins CES 20081, Detroit Diesel 93K218, Deutz DQC-III-10 LA, MACK EO-O Premium Plus, MAN M 3275 / M 3575, MB 228.31, MTU Typ 2.1, Renault VI RLD-3, Volvo VDS-4, Ford WSS-M2C171-E, JDQ-78X	Ultra high performance heavy duty engine oil. It is made from semi-synthetic base oils with high VI and advanced additive packages, which provides for excellent dispersant and detergent properties and oxidation protection of the oil while securing the engine from wear and tear.
15W-40 E7 HD Pro Multigrade engine oil	ACEA E7, API CI-4/SL, VOLVO VDS-3, MAN M 3275, MB 228.3, CAT ECF-1 / ECF-2, CUMMINS CES 20077 / 20078, DETROIT DIESEL 93K215, MTU Type 2.0, DEUTZ DQC-III-10, GLOBAL DHD-1, JASO DH-1, MACK EO-N / EO-M PLUS, RENAULT RLD / RLD-2	High performance motor oil for heavily stressed diesel and turbo charged engines. The outstanding additive technology insures protection requirements are met for gasoline engines. This added advantage makes this oil an excellent provider of choice for mixed fleets.
5W-30 Pro Fully-synthetic multigrade engine oil	API SN Plus, ILSAC GF-5, GM dexos 1 Gen 2, Ford WSS-M2C946-A	High performance lubricant, which is designed especially for the most advanced gasoline and diesel engines for passenger cars, that are operated with low viscosity fuel saving engine oils. It is suitable for use in all types of modern vehicles where this viscosity grade is recommended. This includes high performance turbo charged, supercharged gasoline multi-valve fuel injected engines found in passenger cars and light vans.
0W-20 Pro Fully-synthetic multigrade engine oil	API SN Plus, ILSAC GF-5, GM dexos 1 Gen 2, Ford WSS-M2C947-A	High performance fully-synthetic engine oil, which especially is designed for the most advanced gasoline engines for passenger cars, which are operated with low viscosity fuel saving engine oils. It is suitable for use in all types of modern vehicles where this viscosity grade is recommended. This includes high performance turbo charged, supercharged gasoline multi-valve fuel injected engines found in passenger cars and light vans.
10W-40 E6 Pro HD Semi-synthetic multigrade engine oil	ACEA E6-/E7-/E9-12, API CI-4, DEUTZ DQC IV-10 LA, CATERPILLAR ECF-1a, CUMMINS CES 20076/20077, MACK EO-M Plus / EO-N, MAN M 3477 / M 3271-1, MB 228.51 / 228.31, MB 226.9, MTU Type 3.1, SCANIA LA, DAF, VOLVO VDS-3, Renault RXD / RGD / VI RLD-2, Volvo CNG	Semi-synthetic high performance motor oil, which meets par excellence the highly exalted tribological requirements of the EURO 5 and EURO 6 commercial car engine generation. Below the limits for sulphated ash, sulphur- and phosphorus-content Low SAP. Assures top performance at the quality criteria wear protection and friction reduction, detergent-dispersant-effect, corrosion prevention, viscosity temperature dependency, thermal oxidative stability, low evaporation tendency, good elastomer compatibility and low environmental impact.

Hengst Oil	Specification	Information
Engine oils		
5W-30 C3 Pro S1 Fully-synthetic multigrade engine oil	ACEA C3-12, BMW LONGLIFE-04, MB 229.51, VW 504 00 / 507 00	Modern high performance motor oil having a lowered ash content. It is formulated in particular according the requirements of VW, concerning the universal usage. Concomitantly it meets the requirements of a Low SAPs oil and thus it may be used in diesel vehicles with diesel particulate filter (DPF).
5W-40 A3/B4 Pro Fully-synthetic multigrade engine oil	ACEA A3/B4, API SN/CF, BMW LONGLIFE-98, GM-LL-B-025, MB 229.3, PSA B71 2296, VW 502 00 / 505 00 VW 502 00, PORSCHE A40, RENAULT RN 0700 / 0710, Fiat 9.55535-M2	High performance low friction oil, which is designed for all gasoline and diesel engines of passenger cars, and which especially can be used for fuel injected and turbo charged engines. It is blended from high quality synthetic base oils and selected additives. This makes for a lubricant quality which fulfills and exceeds all requirements of modern passenger car engines.
15W-40 A3/ B4 Pro Multigrade engine oil	ACEA A3/B4-12 API SL/CF, MB 229.1, VW 505 00	Multigrade motor oil to be used in passenger cars gasoline and diesel engines. It is produced by blending high quality base oils and additives of most progressive technology. Suitable also under severe operating conditions in modern passenger car engines, turbo- or non-turbo charged.
20W-50 A3/ B4 Pro Multigrade engine oil	ACEA A3/B4-12, API SL/CF, MB 229.1	High performance crankcase oil to be used in passenger cars and light duty vehicles. It can be recommended for the consumption-optimised modern gasoline engine as well as for the high-output turbo charged diesel engine.
10W-40 E7 HD Pro Multigrade engine oil	ACEA E7, API CI-4/SL, MTU Type 2.0, MAN M 3275, MB 228.3	Produced from mineral base oils and hydro-cracked products. Combined with a special additive package it has become a quality product, which satisfies the requirements of the modern engine generation of diesel motors and gasoline motors as well. Especially it is applicable for engines, which because of the advanced construction, as turbocharger or poor-mix operation, make very special demands on the lubricant.
20W-50 E7 HD Pro Multigrade engine oil	ACEA E7, API CI-4/SL, MTU Type 2.0, MAN M 3275, MB 228.3	High performance motor oil for modern heavily stressed diesel engines inclusive turbo charger. Because of its outstanding additive technology it also comes up to the most severe requirements of gasoline engines. This makes it being excellent provider for mixed-fleet, whenever the viscosity-level 20W50 is indicated or required because of the climatical conditions.
Transmission oils		
ATF 7 Speed ECO Fully-synthetic automatic-transmission oil	MB 236.15	High performance ATF for use in the latest Mercedes-Benz 7-speed automatic transmission (NAG2FE+) from 21.06.2010. It is based on fundamental oils from the synthesis technology and superior performance package. An extremely high stable VI improver in connection with modern anti-wear additives and friction modifiers guarantee stable lasting excellent smooth switching behavior, outstanding oxidation stability and a superior coefficient of friction stability. The lowered viscosity ensures maximum fuel economy.
ATF 8 Speed Fully-synthetic automatic-transmission oil	BMW L12108 (83 22 2 152 426), BMW 83 22 2 305 397 / 83 22 2 289 720, CHRYSLER 68157995AA, JAGUAR 02/DE26444, LAND ROVER LR023288 / 232289, VW G 060 162 A1 /A2/A6, G 055 162 (A2/A6), ZF Lifeguard 8 (5671 090 312)	Specially developed for modern ZF 6-, 8- and 9-speed automatic transmissions in high-performance vehicles. Not suitable for use in DCT / DSG or CVT transmissions.
ATF DCT Fully-synthetic automatic-transmission oil	BMW DCTF-1 (83 220 440 214) / MTF LT-5 (83 22 2147 646), BMW 83 22 0397 244 / 83 22 2147 477, CHRYSLER Powershift 6-Speed (Getrag) / 68044345 EA & GA, FERRARI TF DCT-F3, Volvo Powershift 6-Speed (GFTI) / 1161838 / 1161839, FORD/ Nissan Powershift 6-Speed (GFTI) / Ford - WSS-M2C936-A / WSS-M2C200-D2, MB 236.21, 236.25, MITSUBISHI DIAMOND QUEEN SSTF-1, TC-SST 6-Speed (GFT), PORSCHE 043 207 29 / 043 207 30 / 000 043 20 / 999 917 080 00, RENAULT EDC 6-Speed (Getrag), BOTA50 , VW G 052 182 A2/A6 (TL 52 182), G 052 529 A2/A6 (TL 52 529), Peugeot/Citroen- 6DCT451 (PSA 9734.S2), Bugatti Veyron	High performance automatic transmission fluid, which was developed for the latest generation of double clutch transmission.
ATF CVT Fully-synthetic automatic-transmission oil	VW G 052 180, G 052 516, DAIHATSU AMIX CVTF DC /DFC/ DFE/ TC, FORD CVT 23, GM SATURN DEX-CVT,HONDA ATF-Z1 / HCF-2 / HMMF* * Verwendung in Honda CVT mit Anfahrkupplung wird nicht empfohlen , HYUNDAI / Kia SP-III, Ford WSS-M2C928-A, Chrysler/Dodge/Jeep NS-III, MB 236.20 [001 989 46 03], MINI EZL799/799A, BMW 83 22 0 429 154 / 83 22 0 429 159, Mitsubishi NS-II / SP-III / CVT J-1 / J4 /, NISSAN NS-I / NS-II / NS-III, SUBARU ECVT / i-CVT / iCVT FG, NS-2, SUBARU Linear tronic High Torque [HAT] CVTF, SUBARU Linear tronic chain CVTF / CVTF II,SUZUKI CVTF TC, CVT GREEN 1/2/1V NS-II, TOYOTA CVTF TC / FE, Mopar CVTF+4, JASO M358, Mazda JWS 3320, GM DEX-CVT	Ultra high performance automatic transmission fluid, which was developed for the latest generation of CVT-transmissions, where the traction is transmitted by the means of steel tracks or steel thrust belts.

Hengst Oil	Specification	Information
Transmission oils		
ATF Dex VI Fully-synthetic automatic-transmission oil	GM DEXRON VI, Aisin Warner AW-1, JWS 3324, BENTLEY PY-112995FBA, BMW 83 22 0 142 516 / 83 22 0 397 114, BMW 83 22 2 163 514 (BMW 8072 BI), HYUNDAI/KIA 04000CF050 / NWS-9638 T-5, HYUNDAI/KIA SP-IV / SPH-IV,JAGUAR Fluid 8432, LAND ROVER TYK500050 / LR 0022460, MASERATI 231603, VW G 055 005 (-A, -A2), G 052 533, G 055 540 (A2), Chrysler/ Dodge/Jeep P/N 05127382AA / 68047424AA, MB 236.12, 236.14, 236.41, FORD/Lincoln/Mercury P/N XT-10-QLV (LV), FORD/Lincoln/Mercury P/N XT-6-QSP or -QSP (SP), Honda/ Acura DW-1 / 08200-9017 (ATF Type 3.1), JASO M315 / Class 1A, Mazda FW 6A EL / FW 6AX EL / FZ, Mercon LV, Mitsubishi ATF-J3 / SP-IV, Nissan/Infinity Matic-S, Porsche P/N 000 043 304 00, Saab P/N 93 165 147 - AW-1, Toyota/Lexus/Scion WS, GM/GMC/Opel/Saturn AW1, P/N 88863400, 88863401, Shell 3353, Shell 134, Shell 1375.4	Fluid is an low viscosity automatic transmission fluid which is made with a special additive technology, optimized for a wide range of passenger car applications.
ATF 7 Speed Fully-synthetic automatic-transmission oil	MB 236.14, 236.12, Audi 0 052 162 [A1, A2], Porsche P/N 999 917 547 00, PSA Peugeot/Citroen P/N Z 000169756, Jaguar JLM 20238	High performance ATF for life-time use in motorcar transmissions, especially of Mercedes Benz. It is made from synthetic base oils and such from the synthesis technology. The outstanding performance package an extremly shear-stable VI-improver, modern anti-wear additves and balanced friction modifiers assure enduring excellent gear changing properties at modern automatic transmissions with controlled torque converter clutches.
ATF Dex VI RED Fully-synthetic automatic-transmission oil	GM DEXRON VI, Aisin Warner AW-1, JWS 3324, BENTLEY PY-112995FBA, BMW 83 22 0 142 516 / 83 22 0 397 114, BMW 83 22 2 163 514 (BMW 8072 BI), HYUNDAI/KIA 04000CF050 / NWS-9638 T-5, HYUNDAI/KIA SP-IV / SPH-IV,JAGUAR Fluid 8432, LAND ROVER TYK500050 / LR 0022460, MASERATI 231603, VW G 055 005 (-A, -A2), G 052 533, G 055 540 (A2), Chrysler/ Dodge/Jeep P/N 05127382AA / 68047424AA, MB 236.12, 236.14, 236.41, FORD/Lincoln/Mercury P/N XT-10-QLV (LV), FORD/Lincoln/Mercury P/N XT-6-QSP or -QSP (SP), Honda/ Acura DW-1 / 08200-9017 (ATF Type 3.1), JASO M315 / Class 1A, Mazda FW 6A EL / FW 6AX EL / FZ, Mercon LV, Mitsubishi ATF-J3 / SP-IV, Nissan/Infinity Matic-S, Porsche P/N 000 043 304 00, Saab P/N 93 165 147 - AW-1, Toyota/Lexus/Scion WS GM/GMC/Opel/Saturn AW1, P/N 88863400, 88863401, Shell 3353, Shell 134, Shell 1375.4	The fluid is an low viscosity automatic transmission fluid which is made with a special additive technology, optimized for a wide range of passenger car applications.
ATF Multi Vehicle Fully-synthetic automatic-transmission oil	GM DEXRON II / II-D / II-E / III-G / III-H, Allison C-4, TES-295, TES-389, BMW/Mini P/N 81 22 9 400 272/275, 81 22 9 407 858/859, BMW/Mini P/N 83 22 0 024 249/359, 83 22 0 402 413, BMW/Mini P/N 83 22 0 026 922 (BMW 7045 E), BMW/Mini P/N 83 22 0 403 248/249, 83 22 7 542 290, BMW/Mini P/N 83 22 9 407 765 (BMW LA 263a) , Chrysler/Dodge/Jeep ATF+2/ATF+3/ ATF+4, A6468RC ATF, SP-III, MB 236.3, 236.5, 236.6, 236.7, 236.8, 236.9, 236.10, 236.91, FORD WSS-M2C919-E [Mercon VI, WSS-M2C922-A1, FORD/Lincoln/Mercury P/N XT-2-QDX [M], XT-2-QSM [Syn], XT-5-QM or -DM [V], FORD/Lincoln/Mercury P/N XT-8-QAW [Premium], P/N XT-9-QMM5 [FNRS], VW/ Audi G 052 025 A2, G 052 055, G 052 162 [A1, A2],VW/Audi G 052 990 [A2], G 055 005 [A2], US 000 162, GM/GMC/Opel/Saturn P/N 19 40 700/767, GM/GMC/Opel/Saturn P/N 21005966 (transaxle), 22717466, 88909925/19861195, T-IV, Type A Suffix A, Jaguar JLM 20238 / 20292 / 21044 / K17, WSS-M2C922-A1, Aisin Warner JWS 3309, Land Rover Texaco ETL-7045E, MAN 339 A, Mercon V, Mobil ATF 3309, Porsche P/N 000 043 204 41, 000 043 205 09, 999 917 547 00 [A3], PSA Peugeot Citroen P/N Z 000169756, Renault Matic D2, Saab 3309 - T-IV, Shell 3403-M115, LA 2634, Voith H55 6335.XX, Svc Bltn # 013 / 118, Volvo P/N 1161521, 1161540 / 1161640, 1273.41, ZF TE-ML 11A / 11B, Texaco ETL 7045E / 8072B, N402	The fluid is an automatic transmission fluid which is made by multi-vehicle anti-oxidative additive technology optimized for passenger car applications.
ATF Dex III H Semi-synthetic automatic-transmission oil	GM DEXRON III-G / III-H, Allison C-4, TES-389, MB 236.1, 236.5, 236.6, 236.7, MAN 339 Typ Z1 & V1, Z2 & V2, Ford Mercon, Ford M2C138-CJ, M2C 166-H, Volvo 97340, 97341, Voith 55.6335, 55.6336, ZF TE-ML 02F, 04D, 09,11A, 14A & 17C	Automatic-transmission fluid, which is made from mineral base oils and products from the synthesis technology in combination with a special additive package.
ATF Dex II D Automatic-transmission oil	GM DEXRON II D, ALLISON C3/C4, CATERPILLAR TO-2, FORD M2C-138CJ, 166H, 185A, Ford SQM-9010B, MAN 339 Typ D, MB 236.7, ZF-TE ML 03D / 04D / 09A /11A / 14A	Highly developed gear oil, which meets the requirements of the modern automatic gears of passenger cars and commercial vehicles, other vehicles and aggregates.
80W-90 MTF GL4 Multigrade transmission oil	API GL-4, MAN 341 E-1, MB 235.1, ZF TE-ML 06L, 08, 16A, 17A, 19A, 19C	Gear oil designed to be used in synchronised and non-synchronised manual transmissions. Furthermore the oil is applicable for the lubrication of certain steering transmissions and transaxles.
85W-140 MTF GL4 Multigrade transmission oil	API GL-4, MAN 341 E-1, MB 235.1, ZF TE-ML 06L, 08, 16A, 17A, 19A, 19C	Gear oil designed to be used in synchronised and non-synchronised manual transmissions. Furthermore the oil is applicable for the lubrication of certain steering transmissions and transaxles.

Hengst Oil	Specification	Information
Transmission oils		
80W-90 Hypoid GL5 Multigrade transmission oil	API GL-5, MB 235.0, 235.6, MB 235.0, MAN 342 M-2, ZF TE-ML 05A, 07A, 08, 12E, 16B-D, 17B, 19B, 21A	High-alloyed gear oil, which especially are designed for the lubrication of high-loaded hypoid gears with wide offset as well as for power take-off gears, intermediate gears and secondary gears in motor vehicles and construction machines, but also for non-synchronised manual gears.
85W-140 Hypoid GL5 Multigrade transmission oil	API GL-5, 235.6, MB 235.0, MAN 342 M-2, ZF TE-ML 05A, 07A, 08, 12E, 16B-D, 17B, 19B, 21A	High-alloyed gear oil, which especially are designed for the lubrication of high-loaded hypoid gears with wide offset as well as for power take-off gears, intermediate gears and secondary gears in motor vehicles and construction machines, but also for non-synchronised manual gears.
Coolants		
Antifreeze Conc. GW11 Coolant concentrate | anti freeze	ASTM D3306, D 4656, D 4985, BS 6580, MB 325.0, 325.2 SAE J 1034 (1996), MAN 324 NF, BMW OS 94000, VW TL 774-C (G11), Cummins 8578, Volvo 128 6083/002, Opel GME L301, Saab 6901 599, Lada TTM VAZ 1.97.717-97, Ford ESD-M97B894-A, MTU MTL 5048, JASO M325 (Japan), KSM 2142, NATO S-75, Swiss Fed. Lab Empa, NFR 15-601, TL 6850-0038 (MIL Germany), E/L-14156 (MIL Italy), DCSEA 615/C (MIL Francel, FSD 8704 (MIL Sweden), BT-PS-606 A (MIL Belgium), FVV Heft R443 (Germany), FS 6850-0951 (MIL Norway)	Ready water-diluted antifreeze based on ethylenglycole. It is free of amines, nitrites and phosphates. The special inhibitor-package protects outstandingly the engine and the cooling circuit against frost, rust and excessive heat. It is also applicable for light metal motors.
Antifreeze Conc. GW12 Coolant concentrate | anti freeze	ASTM D3306, D4656, D4985, D6210, Deutz/MWM 0199-99-2091/8, Cummins CES 14403/CES 14439, IS series u N14, MB 325.3, SAE J 1034 (1996), MAN 324 SNF, MAN B&W AG D3a 5600, Jaguar Land Rover STJLR 651.5003, Jaguar CMR 822F, Jenbacher TA 1000-0201, Ford WSS-M97B44-D, Opel-GM GMW 3420, John Deere JDM H5, Komatsu 07.892 [2009], Mack 014 GS 17009, Renault Trucks 41-01-001/-5 Type D Volvo 014 GS 17009, Volvo Penta/Trucks/Construction, VW/Audi/Seat/ Skoda TL774-D/F (G12/12+), DAF 74002, Detroit DFS93K217, Deutz DQC CB-14, Fiat MAT3624, Jaguar CMR 822F, MTU MTL 5048, Liebherr MD1-36-1130, Mazda MEZ MN 121 D, Mitsubishi MHI, Bergen Engines 2.13.01, Case New Holland MAT 3624, Caterpillar A4.05.09.01, Leyland Trucks DW03245403, SACM Diesel DLP799861, Vauxhall GM 4277M (+B040 1065), GME L1301, Foton Q-FPT 2313005-2013, MAK A4.05.09.01, Saab B 040 106, Skoda 41-0-0257, Wärtsilä 32-9011, Waukesha BR 637 BS 6580 NFR 15-601, FVV Heft R443 (Germany), JASO M325, KSM 2142, BT-PS-606 A (MIL-Belgium), DCSEA 615/C (MIL-France), E/L-14156 (MIL-Italy), FSD 8704 (MIL-Sweden), NATO S-759, Ihorm V5123 UNE 26-361-88/1, ADE, Aston Martin, Behr, Chevrolet, Claas, Fendt, Graf Wali, Hitachi, Isuzu, Karosa, Kobelco, Proton, Rover, Santana Motors, Saturn, Semt Pielstick, Tedom, Thermo King, Valtra, Yanmar	Antifreeze GW 12 concentrate (-40°C) is a ready water-diluted antifreeze based on ethylenglycole, to be used for all motor vehicles, which require silicate-free products (e.g. Ford, GM and MAN). It is applicable for all established engines inclusive the modern high performance aluminium-motors. It is compatible with all coolant brandsl also VW G 11).

The comprehensive range of engine oils, ATF oils is available in sizes of 1, 4, 5, 20, 208 and 1000 liters. Coolants will be available in sizes of 1.5, 208 and 1000 liters. Please ask your sales representative.