



Lubricants for **construction and forestry**





Solutions for big challenges

Anyone choosing oil products for their machines is entering a complex world, with many small details.

The challenge is to find a high-tech and sustainable lubricant solution that efficiently lengthens the intervals between service and oil changes. Furthermore, every machine manufacturer is now placing their own, increasingly stringent and advanced requirements on lubricants - not least from an environmental perspective.

Consequently, finding the right lubricant is a complete science. It is this particular science at which Statoil Lubricants is an expert, all the way from the laboratory to the hydraulic systems and gearboxes in your machines.

Our Scandinavian lubricants are designed and adapted to meet the toughest demands placed on modern machines in construction and forestry. We have an extensive and complete product range to meet all needs, based on cutting-edge lubricant technology research. Today several of our best lubricants are also the most environmentally sound. When you choose a lubricant solution from Statoil Lubricants, you can be sure that the products comply with the specifications of the machine manufacturers and that the products are ready to meet tomorrow's needs.



Increased performance, less environmental impact

Machinery used in construction and forestry must cope with massive strains and tough challenges. You must be able to rely on the machines working at full capacity, without major disruptions, despite intensive use under challenging conditions. We know that idle machines cost money and time, not to mention putting a strain on patience.

We at Statoil Lubricants can make the difference. When you give us the task of finding the right product for your particular requirements, we can help extend the working life of your machines as well as improve performance and reduce your operating costs. And all with minimal impact on the environment. We also offer a number of lubricant series comprising biologically degradable products that both improve performance and reduce hazardous emissions to the environment.

What we can confidently say about the future is that stipulations regarding health, safety and the environment will become stricter in all areas. However, you can already rely on our lubricants complying with future emission limits.

Our constant focus is to find the solution that increases your productivity and optimises your business – both now and in the future.



Being close to reality gives the best results

The word 'close' characterises everything about how Statoil Lubricants works – from the laboratory to meeting our customers in their various sectors. You are just as likely to meet us beside the machines as around the negotiating table.

Our research and development activities take place in direct connection to our production facilities in Nynäshamn. Being close gives us unique opportunities to constantly test, improve and develop our products, to ensure that they can withstand the tough stresses and strains of reality and meet the high demands of the future.

It also enables us offer you a number of services that support your everyday activities on site. The Lab Advisor service carries out an oil analysis that provides invaluable information about the condition of your machinery. Quite simply, Lab Advisor is an effective way to protect your machines and prevent costly operational disruptions.

Based on great technical expertise and extensive experience in the lubricants field, we look forward to helping you find a comprehensive solution for your business – regardless of machine type or activity.

Lab Advisor – oil analysis that prevents stoppages

Just as a blood test can reveal your state of health, an oil analysis can provide invaluable information about the condition of your machines and engines. Effective monitoring of oil status can provide an early warning before a breakdown occurs, and also indicate the source of the problem. Lab Advisor is an effective way to protect your machines and prevent costly operational disruptions.

Lab Advisor is available in different forms, depending on your requirements. We are ready to help you decide which analysis you require. Regardless of which of our Lab Advisor services you use, we can guarantee that you will receive invaluable information that will increase your operating reliability.

More information is available from your contact at Statoil.



Products for construction and forestry

ENGINE OILS

MAXWAY ULTRA

Fully synthetic ultra high performance diesel engine oils (UHPD grade). MaxWay Ultra satisfy and exceed the very latest and most stringent oil specifications from leading engine manufacturers. Highest quality for demanding operating conditions within a wide temperature range. Ensure easy starting in cold conditions and help save fuel. Provides exceptional engine protection with a special focus on durability and engine cleanliness.

MaxWay Ultra 5W-30

ACEA E4, E7.

APPROVALS: Volvo VDS-3, Scania LDF, MAN M 3277, MB-Approval 228.5.

PERFORMANCE LEVEL: MB 235.28, MTU Type 3, Cummins CES 20071/72/76/77, Deutz DQC IV-O5, DAF HP1/HP2, Mack EO-M plus Renault RVI RXD, Iveco 18-1804 FE.

Maxway Ultra E6 10W-40

ACEA E4, E6, E7, API CI-4.

APPROVALS: Volvo VDS-3, Scania Low Ash, MB-Approval 228.51, MAN M 3477.

PERFORMANCE LEVEL: Renault RVI RXD/RLD/RLD-2, Jaso DH-2, Deutz DQC III-O5, DAF HP Extended Drain, MAN M 3271-1, Cat ECF-1a, MTU Type 3.1.

MaxWay Ultra E4 10W-40

ACEA E4, E7, API CF.

APPROVALS: Scania LDF-2 / LDF-3, Volvo VDS-3, MAN M 3277, MB-Approval 228.5.

PERFORMANCE LEVEL: Renault RVI RXD / RLD-2 RD-2, DQC III-O5, DAF HP Extended Drain, CES 20072.

MAXWAY

Super High Performance Diesel diesel engine oil (SHPD grade). For use in diesel engines with or without turbo, which are heavily loaded and/or operate with extended change intervals. MaxWay satisfies and exceeds the stringent oil specifications from leading engine manufacturers. It provides good lubrication in all operating conditions, as well as low oil consumption. The oil is also used as a standard oil when you have many different diesel engines with different oil specifications. SAE 15W-40 is mineral oil-based. SAE 10W-30, 10W-40 are semi-synthetic, which gives lower fuel consumption and easier starting at low temperatures.

MaxWay 10W-30

ACEA E7-O8, A3/B4, API CI-4/SL.

APPROVALS: Volvo VDS-3, MAN M 3275, MB-Approval 228.3.

PERFORMANCE LEVEL: MTU Type 2, Cat ECF-2/ECF-1a, Cummins CES 20076/77, Deutz DQC III-O5, Mack EO-N/EO-M+, Renault RLD/RLD-2, Sisu Diesel TIER 3.

MaxWay E9 15W-40

ACEA E9-O8, API CJ-4/SM/SN.

APPROVAL: Volvo VDS-4, MB-Approval 228.31, Renault RLD-03, Mack EO-O PP.

PERFORMANCE LEVEL: MAN M 3275, MTU Type 2.1, Cat ECF-3/ECF-2/ECF-1a, Deutz DQC III-10LA, Cummins CES 20081, Detroit Diesel DDC 93K218.

MaxWay 10W-40

ACEA E7-O8, A3/B4, API CI-4/SL.

APPROVALS: Volvo VDS-3, MAN M 3275, MB-Approval 228.3.

PERFORMANCE LEVEL: MTU Type 2, Cat ECF-2/ECF-1a, Cummins CES 20076/77, Deutz DQC III-O5, Mack EO-N/EO-M+, Renault RLD/RLD-2, Sisu Diesel TIER 3.

MaxWay 15W-40

ACEA E7-O8, A3/B3-10, A3/B4-O4, API CI-4, API SL.

APPROVALS: Volvo VDS-3, MB-Approval 228.3/229.1, MAN M 3275, Cummins CES 20076/77.

PERFORMANCE LEVEL: Cummins CES 20078, Cat ECF-2, ECF-1a, Renault RLD/RLD-2, Mack EO-N, EO-M Plus, Global DHD-1, Deutz DQC III-10, Sisu Diesel TIER 3, MTU Type 2.

POWERWAY

Mineral oil-based engine oil for diesel engines with or without turbo. Recommended for vehicles in heavy traffic, processing machines, forestry and agricultural machines, but can also be used in petrol engines. This oil is excellent if you have a mixture of vehicles.

PowerWay 15W-40

ACEA E2/B3/A3, API CH-4/CF/SL/SJ.

APPROVALS: Volvo VDS-2, MB-Approval 228.1, MAN 271.

PERFORMANCE LEVEL: Caterpillar ECF-1a, Allison C-4, Renault RD/RD-2, MTU 1, Mack EO-M Plus, Cummins CES 20076, Allison C4, Deutz DQC II-10.

PowerWay 20W-50

ACEA E2/B3/A3, API CH-4/CF/SL/SJ

APPROVALS: MB-Approval 228.1, MAN 271

PERFORMANCE LEVEL: MTU 1

Engine oil: Gas engines

PowerWay GELA 15W-40

Engine oil for gas-operated vehicle engines, i.e. natural gas and biogas (CNG). Cummins CES 20074.

POWERWAY MONOGRADES

Mineral oil-based diesel engine oil that is also suitable for gasoline engines, hydraulic systems, compressors, converters, etc., where a single grade engine oil is prescribed. SAE 30 and 40 are recommended for stationary engines and marine engines for e.g. fishing boats and coastal shipping.

PowerWay 10W

API CF/SG.

PERFORMANCE LEVEL: Allison C-4.

PowerWay 30

ACEA E2, API CF-2/CF/SG/CI-4.

PERFORMANCE LEVEL: Allison C-4, MB-Approval 228.0, MAN 270, MTU 1, ZF TE-ML 02H, ZF TE-ML 04B.

PowerWay 40

ACEA E2, API CF-2/CF/SG/CI-4.

PERFORMANCE LEVEL: Allison C-4, MB-Approval 228.0, MAN 270, MTU 1, ZF TE-ML 02H, ZF TE-ML 04B.

TRANSMISSION OILS

Transmission and Gear

GEARWAY S

Fully synthetic transmission oil for axles and transmissions that work under heavy and demanding operating conditions or where long drain intervals are recommended. The oil can also be used as a problem-solver where regular transmission oils do not work satisfactorily.

GearWay S5 75W-90

API GL-4/GL-5/MT-1, Scania STO 1:0, MB-Approval 235.8, MAN 3343 S, ZF TE-ML 02B, 05B, 07A, 08, 16F, 17B, 19C, 21B.

PERFORMANCE LEVEL: MIL L-2105E, Mack GO-J, SAE J2360, Arvin Meritor 076-N, Eaton Transmission.

GearWay S5 75W-140

API GL-4/GL-5, Scania STO 1:0, Volvo 97310.

PERFORMANCE LEVEL: MIL 2105D.

GearWay S5 V 75W-90

API GL-5, MAN 342 Typ S, Volvo 97312.

PERFORMANCE LEVEL: ZF TE-ML 12B, 16F, 17B, Scania STO 1:0, MB-Approval 235.8, TATRA.

GearWay S6 85W-250

Fully synthetic transmission oil for extremely heavily loaded transmissions. The additives are dosed to an optimal GL-6 level.

PERFORMANCE LEVEL: API GL-6 nivå, MIL L 2105D.

GearWay S4 V 75W-80

Fully synthetic gear oil, specially developed to meet specifications for manual transmissions in heavy-duty trucks. The oil is recommended for long drain intervals.

API GL-4, MAN 341 Typ VR, Volvo transmission Oil 97.307.

PERFORMANCE LEVEL: Voith Retarder 153.00090010, Eaton Transmission.

GEARWAY PS

Part Synthetic transmission oil for the entire drive line for private cars, light goods vehicles, differentials, etc., where API GL-4 or GL-5 is recommended. The oil has extremely good cold properties and delivers smooth gear changing at low temperatures.

GearWay PS 45 75W-90

API GL-4, API GL-5, Scania STO 1:0, MAN 3343M, ZF TE-ML 02B, 05B, 12E, 07A, 08, 16B, 17B, 19B, 21B

PERFORMANCE LEVEL: MIL L-2105D / E.

GearWay PS 45 75W-80

API GL-4, API GL-5.

PERFORMANCE LEVEL: Scania STO 1:0, Iveco, MAN 3343 M, ZF TE-ML 02B, 05B, 12E, 07A, 08, 16 B, 17B, 19B, 21B, MIL L-2105D / E.

GEARWAY G

Mineral oil-based transmission oil with broad range of applications in transmissions and hypoid gears where API GL-5 is recommended.

GearWay G5 80W-90

API GL-5, MB-Approval 235.20, MAN 342 M3, Scania STO 1:0, ZF TL-ML 05A 07A 08 12E 16B/C/D/F 17B 19B 21A/B.

PERFORMANCE LEVEL: Volvo 97310, MIL L-2105E, SAE J2361.

GearWay G5 80W-140

API GL-4/GL-5/MT-1, Scania STO 1:0, ZF TL-ML 02B 05A 07A 08 12E 16B/C/D 19B 21A.

PERFORMANCE LEVEL: MIL 2105E, SAE J2360, Mack GO-J, Arvin Meritor 076A/076D.

GearWay G1 80W-90

Mineral oil-based transmission oil for manual transmissions where API GL-1 is recommended.

API GL-1, Volvo 97305.

GearWay G4 80W

Mineral oil-based transmission oil for manual transmissions and final drives where API GL-4 is recommended. The oil contains mild EP additives, which mean that it can cope with high loads.

API GL-4, MAN 341 Z2, MAN 341 E1, MB 235,1, ZF TE-ML 02B, 16A, 17A, 19A.

GEARWAY LS

Transmission oil with LS additive (limited slip) to avoid noise and wear on wheel axles with differential brakes in all types of vehicles, cars, processing machines, etc. Can also be used in hypoid gears without differential brakes where API GL-5 is recommended.

GearWay LS5 80W-90

API GL-5, ZF TE-ML 05C, 12C, 16E, 21C.

PERFORMANCE LEVEL: MIL 2105D.

GearWay LS5 80W-140

API GL-5.

PERFORMANCE LEVEL: ZF TE-ML 05C, 12C, 16E, 21C, MIL 2105D.

GearWay LS S5 75W-90

Fully synthetic, API GL-5.

PERFORMANCE LEVEL: ZF TE-ML 05C, 12B, 21C, MIL L-2105 D.

GearWay LS WB

Transmission oil for heavy processing machines with differential brakes. The oil also works excellently for wheel axles in oil baths, known as wet brakes, and for combination differential brakes/wet brakes.

API GL-5.

PERFORMANCE LEVEL: ZF TE-ML 05C, 12C, 16E, 21C, MIL-L-2105 D.

Automatic transmissions

TransWay DX II

Mineral oil-based transmission oil type ATF Dexron. The oil is recommended for automatic transmissions and power steering, as well as manual transmissions where an 'ATF oil' is prescribed.

Voith 55,6335 (former G 607), ZF TE-ML 02F, 03D, 04D, 14A, 17C.

PERFORMANCE LEVEL: API GL-4, CAT TO-2, GM Type A Suffix A, Dexron IID, Allison C-4.

TransWay PS DX III

The latest generation of ATF-Dexron Semi Synthetic. Has a wider temperature range. Delivers better gear changing function and a longer lifetime for automatic transmissions. Can be used where oil is recommended in accordance with Dexron II D and II E.

API GL-4, 97,341 Volvo, Voith 55,6335 (former G 607) ZF TL-ML 04D/14A/17C, MAN 339 Typ Z1, MAN 339 Typ V1.

PERFORMANCE LEVEL: CAT TO-2, typ GM A-suffix A, MB236.1, MB-Approval 236.9, Ford Mercon, Dexron III H, Allison C-4.

TransWay S DX III Z

Fully synthetic oil type ATF Dexron for transmissions with high operating temperatures. Also has good low temperature properties and provides excellent protection against wear. Allows long oil change intervals. API GL-4.

PERFORMANCE LEVEL: MB-Approval 236.81, Voith 55,6336 (former G 1363), ZF TE-ML 14C/16M, Allison C-4, MAN 339 Typ Z2, MAN 339 Typ Z3.

TransWay S DX III F

Fully synthetic oil recommended for automatic transmissions and manual gearboxes for which ATFs are prescribed. This product is also recommended for older transmissions that call for DX IID. It is also suited for some hydraulic transmissions, servo control mechanisms, hydraulic systems. Volvo 97,341, Voith 55,6336 (former G 1363), ZF TE-ML 02F, 03D, 04D, 14B, 16L, 17C, MAN 339 Typ Z2, MAN 339 Typ V2.

PERFORMANCE LEVEL: API GL-4, CAT TO-2, GM Type A-Suffix A, MB-Approval 236.5, Voith 55,6335 (former G 607), Ford Mercon, Ford Mercon V, Dexron IID, Dexron III H, Dexron IIIG, Allison C-4, Scania GAV.

TransWay S DX III J

Fully synthetic oil recommended for automatic transmissions and manual gearboxes for which ATFs are prescribed. It is recommended for automatic transmissions and manual gearboxes for which ATFs are prescribed and manages most Japanese and Korean Specifications. This product is also recommended for older transmissions that call for DX IID or IIE.

PERFORMANCE LEVEL: API GL-4, GM Type A-Suffix A, GM Daewoo, Voith 55,635 (former G 607), PSA Aisin JWS 3309, Daihatsu Alumix ATF Multi, Isuzu BESCO ATF -II/III, Kia, Subaru ATF, Suzuki ATF Oil, Suzuki ATF Oil Special, Toyota Type T/Type-II/Type-III/Type-IV/Type D-II, Honda ATF Z1, Hyundai, Mazda ATF D-III, Mazda ATF M-III, Mitsubishi SP-II/SP-III, Nissan Matic Fluid C/D/J, Ford Mercon V, Dexron II D, Dexron II E, Dexron III H, Dexron IIIG, ZF TE-ML 14A, Allison C-4, JASO M315 Type 1A, MAN Type Z1.

TransWay ATF A 52

Mineral oil-based transmission oil for automatic transmissions, converters, hydraulic transmissions, etc., where the manufacturer recommends an ATF oil in accordance with the following specifications. MB 236.2.

PERFORMANCE LEVEL: CAT TO-2, Leyland E85, GM Type A Suffix A, Volvo 97325, Allison C-4, Renk, MAN 339 Typ A.

TransWay Type G

Mineral oil-based transmission oil for automatic transmissions and power steering, where Ford's specifications are prescribed. Also suitable for some manual transmissions.

PERFORMANCE LEVEL: Ford ESW M2C 33-F, Ford ESW M2C 33-G, Volvo 97330.

Hydraulic Transmission Fluid

TransWay WB

Mineral oil-based universal transmission oil for tractors and contracting plant with combined transmission, differential and hydraulic systems as well as wet brakes. Provides extremely good protection against wear.

API GL-4, MF CMS M 1143, Renault Traktorer ARES, Volvo WB 101 (97,303).

PERFORMANCE LEVEL: Cat TO-2, Case MS 1207, Case MS 1209, Case New Holland CNH MAT 3525/3506/3509, Ford ESN M2C86-B / C, Ford ESN M2C-134D, FNHA-2-C-200,00, John D J20C, John D J20D, Kubota UDT Fluid, MF CMS 1135/1141/1145 M, ZF TE-ML 03E, 05F, 06K, 17E, Allison C-4.

TransWay WB LL PS

Semi-synthetic oil for long drain intervals (>3000 h) in wet brakes transmissions. It delivers silent, vibration free operation both with paper and sinter lamellas. Even more extraordinary lifetime can be achieved with proper maintenance and handling. Due to long drain intervals the product delivers better environmental care.

API GL-4, for wet brakes.

PERFORMANCE LEVEL: ZF TE-ML 03 (torque converters), Case MS 1206/1207, MF 1135, 1141 MF, VME, John D J20C.



TransWay WB Bio

Biodegradable transmission and hydraulic oil based on renewable raw materials (rapeseed and synthetic ester). The oil is recommended for machinery and tractors with hydraulic/transmission systems in combination with wet brakes. Many machine manufacturers recommend shorter oil change intervals when using vegetable oil-based lubricants - check the user guide. ISO VG-46, API GL-4.

PERFORMANCE LEVEL: Case MS 1207/1209, Case New Holland CNH MAT 3525/3505, Ford ESN M2C-134D, FNHA-2-C-201,00, John D J20C, MF CMS M1143/1145, ZF TE-ML 03E, 05F, 06K, 17E, Allison C-4.

TRANSWAY AC

Mineral oil-based transmission oil of HTF type. For processing machines with combined transmission and hydraulic systems as well as wet brakes. Satisfies the requirements in accordance with the Caterpillar TO-4 specification.

TransWay AC 10W

API CF, API CF-2.

PERFORMANCE LEVEL: CAT TO-4, Dana Powershift, Eaton Vickers EH-1027C, Termec/TCC, ZF TL-ML 01/03C/07F, Allison C-4, Komatsu KES 07.868.1, Komatsu Dresser.

TransWay AC 30

API CF, API CF-2.

PERFORMANCE LEVEL: CAT TO-4, Dana Powershift, Eaton Vickers EH-1027C, Termec/TCC, ZF TL-ML 01/03C/07F, Allison C-4, Komatsu KES 07.868.1, Komatsu Dresser.

TransWay AC 50

API CF, API CF-2.

PERFORMANCE LEVEL: CAT TO-4, Dana Powershift, Eaton Vickers EH-1027C, Termec/TCC, ZF TL-ML 01/03C/07F, Allison C-4, Komatsu KES 07.868.1, Komatsu Dresser.

Hydraulic HD 26

Hydraulic HD 26 is an HTF-type (Hydraulic Transmission) transmission fluid for work machines with enclosed gearboxes, and for hydraulic systems. Hydraulic HD 26 is recommended for work machines and tractors used in heavy-duty applications, and for power steering gears of the wheel-drives.

SPECIAL FLUID/OILS

Brake Fluid DOT 5.1

Recommended for brake systems in light and heavy vehicles with hydraulic brake systems that requires DOT 4.0 or 5.1. Statoil Brake Fluid DOT 5.1 has a boiling point >260 °C and can be used for heavily loaded brakes or racing applications. It is fully mixable with Standard Brake Fluids of type DOT 4.0. DOT 4 and 5.1 SAE J 1703 and ISO 4925.

- 1: Do not use in Citroen hydraulic systems
- 2: Do not mix with DOT 5.0 which is silicone based.

Engine oil: Agriculture

MultiWay 10W-30

Universal oil for agriculture and construction machinery, with or without turbo. The oil can be used all year round for engines, transmissions with wet brakes and hydraulic systems. API CE / SF, API GL-4.

PERFORMANCE LEVEL: Allison C-4, Case 1207, Ford M2C134D / M2C159B, JDM J20C / J27, Massey Furgesson M1139 / M1144, MIL std MIL-L2104D.

MultiWay PS 10W-40

Semisynthetic universal oil for agriculture and construction machinery, with or without turbo. The oil can be used all year round for engines, transmissions with wet brakes and hydraulic systems. API CE / SF, API GL-4.

PERFORMANCE LEVEL: Allison C-4, Case 1207, Ford M2C134D / M2C159B, JDM J20C / J27, Massey Furgesson M1139 / M1144, MIL std MIL-L2104D.



2-Tway Bio

Recommended for all types of 2-stroke engines, both mixed with gasoline or as a separate lubricant. 2-TWay Bio is based on a synthetic base oil that is highly biodegradable. As a result, this oil has less environmental impact than conventional 2-stroke engine oils. It provides excellent lubrication and clean engines.

PERFORMANCE LEVEL: API TC, NMMA TC-W3 RL, HVA 266.

BIODEGRADABILITY: Readily biodegradable per CEC-L-33-A-93.

2-Tway Low Smoke

Semisynthetic engine oil recommended for 2-stroke engines. It can be used in all land-based air- or water-cooled 2-stroke applications. The oil provides excellent protection against wear. It produces little smoke, which in turn reduces deposits. It is highly pumpable and works exceptionally well in extreme cold. The product is not suitable for water-cooled outboard motors.

PERFORMANCE LEVEL: Jaso FA/FB/FC, ISO EGD, API TC, HVA 346/232/372, Rotax 253 Snowmobile test.

GardenWay

GardenWay is recommended as engine oil for all small 4-stroke engines, for example those in lawnmowers and rotary cultivators. It's single grade engine oil with additives preventing wear, corrosion and oxidation.

SPECIFICATIONER: SAE 30, API SG.



ChainWay Bio

Chain Saw Oil is recommended for year-round use in felling- and bucksaws for logging machines and all type of chainsaws. It has good adhesive characteristics, film strength and wear protection. This contributes to low oil consumption and efficient lubrication of chain and sword. ChainWay Bio is based on highly refined ester and therefore readily biodegradable. It has a low impact on forests and fields, and contributes to a better work environment. This product is also extremely stable and has a long shelf life.

Chain Saw Oil

Chain Saw Oil is recommended for year-round use in felling- and bucksaws for logging machines and all type of chainsaws. It has good adhesive characteristics, film strength and wear protection. This contributes to low oil consumption and efficient lubrication of chain and sword.

HYDRAULIC OILS

HydraWay HVXA

Mineral oil-based, zinc-free hydraulic oil with a high Viscosity-Index. Recommended for mobile hydraulics operating outdoors all year round. Copes with high operating temperatures and has good shear stability. SS 155434, DIN 51524 part III HVLP, Eaton Vickers 35VQ-25A, Eaton Vickers V104C. FZG A/8-3/9 > 12 according to DIN 51354.

HydraWay HVXA 15 LT

High-quality zinc-free hydraulic oil with extra high viscosity index for advanced hydraulics working under widely varying temperatures or at extremely low temperatures.

Hydraulic Oil 131

Mineral oil-based hydraulic oil specially developed for the Scandinavian climate. Zinc-free. Copes with working conditions from -45 °C to +65 °C. Eaton Vickers 104 C IP 281/80, FSD 8401.



HydraWay Bio SE

Synthetic ester-based hydraulic fluids developed for hydraulic systems that are in operation all year round under varying conditions. The products are readily biodegradable. Certain ground rules have to be followed with regard to miscibility with other similar hydraulic fluids. SS 155434 BV Environmentally adapted (ISO VG32, 46), VDMA HEES, Eaton Vickers I 286 S/V 104 C. FZG A/8-3/9 > 12 according to DIN 51354.



HydraWay Bio SE 32-68

Synthetic ester-based hydraulic fluid for hydraulic systems working within a broad temperature range (-30 – +85 °C). The oil comprises more than 80% renewable raw materials, is easily degradable, has low toxicity for aquatic organisms at the same time as delivering very high technical performance. Extremely shear stable. Outstanding rapid air release properties. SS 155434 BV 32 Environmentally adapted, Eaton Vickers V104C, Eaton Vickers 35VQ25A, Shearing test CEC-L-45-A-98, 20h: 1.3 %, tapered roller bearing (KRL). FZG A/8-3/9 > 12 according to DIN 51354. Approved by Partek Forest (Valmet, Sauer Danfoss and Ponsse).



HydraWay SE 46 HP

High performance, long life, saturated ester based hydraulic fluid. Environmentally adapted, designed for demanding hydraulic systems, indoors as well as outdoors. This product combines superior oxidation- and hydrolytic stability. SIS 155434 AV 46 Environmentally adapted/ 155454, ISO 15380 HEES 46. DIN 51524 part III HVLP Eaton Vickers 104 C.



HydraWay Bio SE 68

Synthetic ester-based hydraulic fluid. Recommended for hydraulic systems in warm applications, e.g. asphalt machines. Comprises more than 80% renewable raw materials. Extremely shear stable. SS 155434 BV 68 Environmentally adapted, Eaton Vickers I 286 S, V 104 C FZG A/8-3/9 > 12 according to DIN 51354.

SPRAY

ChainWay Spray

Synthetic lubricant for chains e.g motorcycle chains, lifting chains in fork lifts etc. Excellent penetration and adhesion. Protects against wear and corrosion.

Moist-aWay Spray

Multi purpose oil with preventive and corrosion protective properties as well as excellent lubrication. Protects ignition systems and electrical equipment against short cuts. Excellent for corrosion protection and lubrication of tools, locks, hinges, fine mechanics etc.

Rust-aWay Spray

Rust removing spray with corrosion protective- and lubrication properties. Efficient as a lubricant for locks, hinges, plate springs, tools, links, limbs etc..

GreaseWay CaH 92 Spray

Multipurpose grease providing ease of lubrication when access is difficult, for example enclosed chains. The grease penetrates, is water-repellent with good adhesion and extreme pressure properties.

GreaseWay LiCaX 90 Spray

Grease spray for lubricating of open gears, gear racks etc.

GREASE

UniWay Li62

Grease for lubricating all types of lightly/heavily loaded sliding, ball and roller bearings in vehicles and industry. Good water resistance. L-XCCIB2 per ISO 6743/9, KP2K-30 per DIN 51502.



UniWay Bio LiX 62

Environmentally adapted multi purpose grease for industrial and automotive use. L-XCCIB2 per ISO 6743/9, KEP2K-30 per DIN 51502. Environmental class B per SS 155470.



GreaseWay Bio LiX 400

Environmentally adapted grease for vehicle-mounted or stationary central lubrication systems. L-XDBHB00 per ISO 6743/9, KEPOOG-40 per DIN 51502. Environmental class B per SS 155470.

MolyWay Li 732

Special grease for lubricating sliding and roller bearings within heavier industry and vehicles. Contains 3% molybdenum disulphide. L-XCCIB2 per ISO 6743/9, KPF2K-30 per DIN 51502.

MolyWay Li 752

Special grease for lubricating sliding and roller bearings within heavier industry and vehicles. Contains 5% extra fine molybdenum disulphide. L-XCCIB2 per ISO 6743/9, KPF2K-30 per DIN 51502.

Central Lubrication Grease

Special grease for vehicle-mounted central lubrication systems. L-XCBIB00 per ISO 6743/9, KPOOG-35 per DIN 51502.

5-Wheel Grease

Special grease for lubrication of the fifth wheel on trailer trucks. Very adhesive. KPFBMOGO,5N-10 per DIN 51502, LXADIB0,5 per ISO 6743/99.

Chassis Grease

Special grease for lubrication of journal bearings in construction machines, forestry machines and similar applications. Adhesive and water resistant. L-XBCIB2 per ISO 6743/9, per KP2K-20 according to DIN 51502.

Chassis Grease Winter

Special grease for lubrication of journal bearings in construction machines, forestry machines and similar applications at low ambient temperatures. Adhesive and water resistant. L-XCBIB2 per ISO 6743/9, KP2G-30 per DIN 51502.

Chassis Grease Soft

Special grease for chassis lubrication of heavy vehicles via central lubrication systems. Adhesive and water resistant. L-XCBFB0 per ISO 6743/9, KPOE-30 per DIN 51502.

Wheel Bearing Grease

Special grease for lubrication of wheel bearings. Excellent high temperature properties. L-XCDIB2.5 per ISO 6743-9, KP2.5N-30 per DIN 51502.



GreaseWay Bio CaH 82

Environmentally adapted grease primarily intended for the lubrication of heavily loaded slide bearings. Very good adhesion and water resistance. L-XBBIB2 in accordance with ISO 6743/9, KEP2G-20 in accordance with DIN 51502. Meets the requirements for environment class B in accordance with SS 155470.

GreaseWay LiCa 80

Soft grease for highly loaded, slow-moving machine elements. The grease is suitable for example for the lubrication of the top layer of the cone, gears or large slow moving plain and roller bearings. Highly adhesive and water resistant. ISO-L-XBCIB0 according to ISO 6743-9, KPOK-20 according to DIN 51502.

GreaseWay LiCaX 90

Especially adhesive grease for chains, open gears, racks and other. ISO L-XCDIB0.5 according to ISO 6743/9, KGOGO,5N-30 according to DIN 51502.



Environmentally Considerate Choice

GLYKOL

Anti Freeze Conc

Statoil Anti Freeze is a frost protection fluid for all types of liquid-cooled combustion engine. It satisfies the requirements of most car and engine manufacturers. Statoil Anti Freeze is a concentrated frost protection fluid based on monoethylene glycol with corrosion inhibitors. The product does not contain amine, nitrite or phosphate-based inhibitors. Contains effective antifoam agents. Satisfies the requirements in the following standards: ASTM D 3306, BS 6580, SAE J 1034, Afnor NF R15-601, Cuna NC 956-16.

COLOUR: Blue.

Anti Freeze LL Conc

Statoil Anti Freeze LL is a long-acting frost protection fluid for all types of liquid-cooled combustion engine. The product has a long lifetime that gives long change intervals. The product is based on monoethylene glycol with organic corrosion inhibitors. It does not contain silicate-based inhibitors. A number of car manufacturers, including VW, Audi, Skoda and Seat, use this frost protection fluid when filling cars' cooling systems at the factory. Note: Long-acting frost protection fluid should not be mixed with other standard types of frost protection fluid. Satisfies the requirements in the following standards: VW, Audi, Skoda, Seat, Porsche: VW TL 774 D/F, Ford Europe: WSS-M97B44-D, MAN: MAN 324 SNF, MTU: MTL 5048.

COLOUR: Pink.

Anti Freeze HD Conc

Statoil Anti Freeze HD is a concentrated Anti Freeze for all types of liquid-cooled combustion engines. Product is based on monoethylene glycol with selected corrosion inhibitors. The product does not contain amine, nitrite or phosphate-based inhibitors. Statoil Anti Freeze HD meets very high standards, and is recommended for both spark ignition and diesel engines used in severe operating conditions. Complies with the following standards: PN-C-40007, ASTM D 3306, BS 6580, SAE J 1034, TL- 774/C and MAN Type 324 NF.

COLOUR: Blue-green.

SOLVENTS

White Spirit

Statoil White Spirit is an aromatic, white spirit-type solvent. The product offers good solubility for grease, oils, waxes, bitumen, etc. Statoil White Spirit is used in the manufacture of paints, rustproofing products, degreasing agents, detergents, etc.

Useful information about lubrication for your vehicles

The right motor oil

The vehicle handbook contains information about the required engine lubricant characteristics. Oil characteristics are described in accordance with the following classification systems.

Viscosity

The oil's SAE number, e.g. SAE 5W-40, denotes its viscosity class, i.e. how viscous it is. The higher the SAE number the higher the viscosity at 100 °C. Viscosity at 100 °C gives an indication of the oil film's carrying capacity and its ability to protect the engine in operation. The viscosity of the oil at low temperatures is denoted by the letter 'W' for winter after the SAE number and indicates the oil's ability to flow at a low temperature. SAE 5W-40 is a multi-viscosity oil. This means that its qualities allow for cold starts, yet it still maintains a good lubrication film at high engine temperatures.

Quality

API (American Petroleum Institute) is a classification system used in the US to determine oil quality. The system is divided into two categories. Category S for petrol engines, with quality classes ranging from SA to SM, and category C for diesel engines, with quality classes ranging from CA to CJ-4. The second letter denotes the quality of the oil. The further along the alphabet, the higher the quality of the oil.

ACEA (the European Automobile Manufacturers' Association). A European classification system for determining oil quality. The system is divided into three categories. Category A/B for petrol engines and light diesel engines with quality classes A1/B1, A3/B3, A3/B4 and A5/B5. Category C for new engines with exhaust after treatment, with quality classes C1, C2, C3 and C4. Finally, category W for heavy diesel engines, with quality classes E4, E6, E7 and E9. ACEA A1/B1 and A5/B5 also include requirements for fuel economy. In the ACEA system, higher numbers do thus not necessarily indicate a higher quality. Aside from API and ACEA, car manufacturers have their own requirements for the approval of lubricants (e.g. VW and MB). These approvals are printed on the oil packaging labels, alongside the API and ACEA classifications.

The right transmission oil

The vehicle handbook also contains information about the characteristics required in the gear lubricant. It is very important that you follow these instructions, regardless of whether they are stated as SAE or API and regardless of what special oils the manufacturer recommends.

Viscosity

The SAE system for gear lubricants is structured in the same way as that for motor oils, although the viscosity classes are denoted by higher numerical values: 70W, 75W, 80W, 85W, 80, 85, 90, 110, 140, 190 and 250. This means that a gear lubricant with a viscosity class of SAE 75W corresponds to a motor oil with SAE 10W.

Quality

In the API system gear lubricant quality is denoted by the classes GL-1, GL-4 and GL-5. There is no link between the number and the quality. The prefix 'GL' indicates that the product is a gear lubricant and the number indicates the volume of EP (extreme pressure) additives and the oil's field of application.

API GL-1 contains no EP additives. API GL-4 contains light EP additives and is mainly used in manual transmissions. API GL-5 contains significant EP additives and is normally used in hypoid gears and differentials.

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