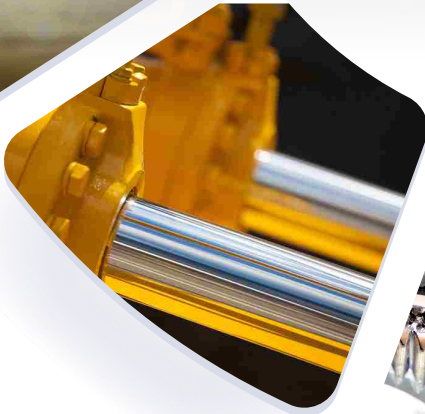




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The
Solution
in your
hand





Special High Performance
Smooth Running Engine Oil

PASSENGER CARS



Ultra-Performance-Longlife-Engine Oil

UNEX ECO POWER WIV SAE 5W30

PROPERTIES

UNEX ECO POWER WIV is an ultra-performance longlife engine oil for modern passenger car engines based on the latest synthesis technology and an innovative additive tailored to it.

Excellent cold-start behavior ensures optimum lubrication reliability in the cold-running phase. Extreme loads and high temperatures are safely managed under all operating conditions.

With high fuel economy and low oil consumption, UNEX ECO POWER WIV contributes to environmental protection by reducing emissions.

APPLICATION INFORMATION

UNEX ECO POWER WIV has been developed, among other things, for VW engines with maintenance interval extension (WIV) and is thus suitable for oil change intervals of up to 50,000 km or 2 years.

UNEX ECO POWER WIV can be used in almost all Longlife VW engines and is backwards compatible. The relevant operating fluid regulations must be observed. Also especially recommended for diesel engines with exhaust aftertreatment systems, such as DPF (diesel particulate filter).

The particularly low-pollutant engine oil specifically maintains the exhaust gas purification systems of diesel engines over very long running times. A low sulfur and phosphorus content helps reduce the load on catalytic converters in gasoline engines.

In addition to MB specification 229.51, UNEX ECO POWER WIV also meets MB specification 229.31 and can therefore be used in Daimler engines that require this specification.

UNEX ECO POWER WIV can also be used in gasoline and diesel engines that require the use of engine oils according to the former ACEA A3/B4.

CERTIFICATES AND STANDARDS

- SAE 5W-30 • ACEA C3 • API SN
- VW-Norm 504 00 und 507 00 • GM Dexos II • MB 229.51 • BMW Longlife-04 • Porsche C30
- Mitsubishi • Start Stop Suitable

UNEX ECO POWER WIV SAE 5W30 is a product of UNEX GmbH - **MADE IN AUSTRIA**

Typical Properties	Unit	Test Method	UNEX ECO POWER WIV
SAE Class		SAE J 300	5W-30
Density @ 15°C	g/cm ³	DIN 51 757	0,853
Kin. Viscosity @ 40°C	mm ² /s	DIN EN ISO 3104	68-70
Kin. Viscosity @ 100°C	mm ² /s	DIN EN ISO 3104	11,8-12
Viscosity Index (VI)		DIN ISO 2909	168-171
Flash Point COC	°C	DIN ISO 2592	232
Pour Point	°C	DIN ISO 3016	- 44

The figures given may vary within the usual commercial range.

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Special High Performance Smooth Running Engine Oil UNEX ENGINE OIL SAE 0W20 Hybrid

PROPERTIES

UNEX Engine Oil SAE 0W20 Hybrid is a newly developed, synthetic smooth-running engine oil for gasoline engines of "fuel-efficient vehicles" and hybrid vehicles. It combines maximum engine power output with the greatest possible fuel savings.

UNEX Engine Oil SAE 0W20 Hybrid guarantees maximum fuel economy through its lowered high-temperature viscosity.

It ensures maximum engine cleanliness, reduced friction of moving parts and long engine life through the latest additive technology and its powerful cleaning additives.

UNEX Engine Oil SAE 0W20 Hybrid minimizes wear through rapid oiling, especially in the warm-up phase of the engine or during cold starts in winter, and guarantees maximum aging resistance of the engine oil due to its synthetic composition.

UNEX Engine Oil SAE 0W20 Hybrid guarantees viscosity and quality maintenance due to its high shear stability. It is used primarily in Honda, Lexus, Mazda, Nissan, Suzuki, Toyota. Please be sure to observe the manufacturer's instructions when using SAE grade 0W-20 engine oils.

CERTIFICATES AND STANDARDS

• SAE 0W-20 • API: SN-RC

• Chrysler • GM LL-A-025 • Dodge • GM 6094/GM 4718 M • Ford (USA) • GM Dexos 1 • Toyota • Subaru • Jeep • Lexus (USA/EU) • Daihatsu • Hyundai • Honda



UNEX Engine Oil SAE 0W20 Hybrid is a product of UNEX GmbH - **MADE IN AUSTRIA**

Typical Properties	Unit	Test Method	UNEX ENGINE OIL SAE 0W20 Hybrid
SAE Class		SAE J300	0W-20
Density @ 15°C	g/cm ³	DIN 51 757	0,847
Kin. Viscosity @ 40°C	mm ² /s	DIN 51562/T1	43-45
Kin. Viscosity @ 100°C	mm ² /s	DIN 51562/T1	8-8,50
Viscosity Index (VI)		DIN ISO 2909	166-170
Flash Point COC	°C	DIN ISO 2592	210
Pour Point	°C	DIN ISO 3016	-45

The figures given may vary within the usual commercial range.

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Special High Performance Smooth Running Engine Oil

UNEX ENGINE OIL SAE 0W30 950

PROPERTIES

UNEX ENGINE OIL SAE 0W30 950 is an extremely fuel-efficient high-performance engine oil of SAE grade 0W-30 based on state-of-the-art synthesis technology.

Excellent cold-start behavior ensures optimum lubrication reliability in the cold-running phase. Extreme loads and high temperatures are safely managed under all operating conditions. It ensures extremely high wear protection and significantly reduced friction losses.

With significant fuel savings, UNEX Engine Oil SAE 0W30 950 helps protect the environment by reducing emissions.

APPLICATION INFORMATION

UNEX Engine Oil SAE 0W30 950 is a top-quality product specially developed for use according to Ford specification WSS- M2C950-A in the new Ford TDCI Duratorq Euro 6 engines (from 2014) with exhaust aftertreatment and turbocharger.

UNEX Engine Oil SAE 0W30 950 can be used according to manufacturer specifications at extended change intervals up to 30,000 km, but is not backward compatible with older Ford specifications.

UNEX Engine Oil SAE 0W30 950 can also be used in engines where engine oils according to ACEA A5/B5 are required.

CERTIFICATES AND STANDARDS

• SAE 0W-30 • ACEA C2

• Ford WSS-M2C950-A • Fiat 9.55535-GS1/DS1 • Land Rover STJLR 03.1007 • PSA B71 2312



UNEX ULTRA A1 SAE 0W30 is a product of UNEX GmbH - **MADE IN AUSTRIA**

Typical Properties	Unit	Test Method	UNEX ENGINE OIL SAE 0W30 950
SAE Class		SAE J 300	0W-30
Density @ 15°C	g/cm ³	DIN 51 757	0,852
Kin. Viscosity @ 40°C	mm ² /s	DIN EN ISO 3104	50-52
Kin. Viscosity @ 100°C	mm ² /s	DIN EN ISO 3104	9,5-10
Viscosity Index (VI)		DIN ISO 2909	175-178
Flash Point COC	°C	DIN ISO 2592	230
Pour Point	°C	DIN ISO 3016	-40

The figures given may vary within the usual commercial range.

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Low SAPS Passenger Car Smooth Running Engine Oil

UNEX ENGINE OIL SAE 5W30 C2

PROPERTIES

UNEX Engine Oil SAE 5W30 C2 is a very low-ash, low SAPS SAE 5W-30 passenger car engine oil based on the latest synthesis technology and an innovative additive tailored to this (Low SAPS= reduced sulfated ash, low phosphorus and sulfur content).

Excellent cold-start behavior ensures optimum lubrication reliability in the cold-running phase. Extreme loads and high temperatures are safely managed under all operating conditions. It ensures extremely high wear protection and significantly reduced friction losses (HTHS < 3.5 mPa s).

With significant fuel savings (>3% compared to a reference oil), UNEX ECO C2 SAE 5W30 helps protect the environment by reducing emissions.

APPLICATION INFORMATION

UNEX Engine Oil SAE 5W30 C2 is a top product for passenger car gasoline and diesel engines of the latest generation.

UNEX Engine Oil SAE 5W30 C2 is preferably recommended for the most modern Mazda, Peugeot, Citroen and Ford engines, but due to its backward compatibility it is also suitable for older vehicles. It has a positive effect on the life and operation of diesel particulate filters (low content of phosphorus and sulfur, low sulfate ash value). UNEX Engine Oil SAE 5W30 C2 can be used versatile in gasoline and diesel engines with and without particle filters. **UNEX Engine Oil SAE 5W30 C2** corresponds to the former ACEA C2.

CERTIFICATES AND STANDARDS

• SAE 5W-30 • ACEA C1

• Mazda • Peugeot • Mitsubishi • Citroen • Toyota • Fiat • Honda • Ford-WSS M2C934-B • PSA B71 2290 • RN 0700

The respective manufacturer's recommendations must be observed.

UNEX Engine Oil SAE 5W30 C2 is a product of UNEX GmbH - **MADE IN AUSTRIA**

Typical Properties	Unit	Test Method	UNEX ENGINE OIL SAE 5W30 C2
SAE Class		SAE J 300	5W-30
Density @ 15°C	g/cm ³	DIN 51 757	0,849
Kin. Viscosity @ 40°C	mm ² /s	DIN EN ISO 3104	55-57
Kin. Viscosity @ 100°C	mm ² /s	DIN EN ISO 3104	9,6-10
Viscosity Index (VI)		DIN ISO 2909	168-172
Flash Point COC	°C	DIN ISO 2592	232
Pour Point	°C	DIN ISO 3016	- 37

The figures given may vary within the usual commercial range.

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Special High Performance Smooth Running Engine Oil UNEX ENGINE OIL SAE 5W30 C4

PROPERTIES

UNEX Engine Oil SAE 5W30 C4 is a modern high-performance fuel-economy engine oil of SAE grade 5W-30 based on state-of-the-art synthesis technology.

Excellent cold-start behavior ensures optimum lubrication reliability in the cold-running phase. Extreme loads and high temperatures are safely managed under all operating conditions. It ensures extremely high wear protection and significantly reduced friction losses.

By significantly saving fuel, UNEX Engine Oil SAE 5W30 C4 helps protect the environment by reducing emissions.

APPLICATION INFORMATION

UNEX Engine Oil SAE 5W30 C4 is a top product specially designed for use in the latest passenger car diesel engines, where the use is required according to Renault specification RN 0720 or Mercedes-Benz specification MB 226.51. In addition, UNEX Engine Oil SAE 5W30 C4 can be used in all vehicles with engine oil specification ACEA C3 and ACEA C4, as well as Mercedes-Benz specification MB 229.51. The modern Low Ash technology protects against ash deposits in the diesel particulate filter and thus improves its effectiveness and service life.

CERTIFICATES AND STANDARDS

- SAE 5W-30 • ACEA C3 / C4
- Renault RN 0720 • MB 226.51 • MB 229.51



UNEX Engine Oil SAE 5W30 C4 is a product of UNEX GmbH - **MADE IN AUSTRIA**

Typical Properties	Unit	Test Method	UNEX ENGINE OIL SAE 5W30 C4
SAE Class		SAE J 300	5W-30
Density @ 15°C	g/cm ³	DIN 51 757	0,851
Kin. Viscosity @ 40°C	mm ² /s	DIN EN ISO 3104	68-69
Kin. Viscosity @ 100°C	mm ² /s	DIN EN ISO 3104	11,7-12
Viscosity Index (VI)		DIN ISO 2909	172-174
Flash Point COC	°C	DIN ISO 2592	232
Pour Point	°C	DIN ISO 3016	-40

The figures given may vary within the usual commercial range.

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Special High Performance Smooth Running Engine Oil

UNEX ENGINE OIL SAE 5W30 F

PROPERTIES

UNEX Engine Oil SAE 5W30 F plus is a modern high-performance fuel-economy engine oil of SAE grade 5W-30 based on state-of-the-art synthesis technology.

Excellent cold-start behavior ensures optimum lubrication reliability in the cold-running phase. Extreme loads and high temperatures are safely managed under all operating conditions. UNEX Engine Oil SAE 5W30 F plus ensures extremely high wear protection and significantly reduced friction losses (HTHS < 3.5 mPa s).

By significantly saving fuel, UNEX Engine Oil SAE 5W30 F plus helps protect the environment by reducing emissions.

APPLICATION INFORMATION

UNEX Engine Oil SAE 5W30 F plus is a top-quality product specially designed for Ford passenger car gasoline and diesel engines of the latest generation, for which engine oils according to Ford WSS-M2C913 C and D are prescribed. UNEX Engine Oil SAE 5W30 F plus is backward compatible according to Ford WSS-M2C913 A and B and can also be used in engines where engine oils according to ACEA A1/B1 are required.

CERTIFICATES AND STANDARDS

- SAE 5W-30 • ACEA A5 / B5
- Ford WSS-MSC913-D • Ford WSS-MSC913-C • Renault Rn700



UNEX Engine Oil SAE 5W30 F is a product of UNEX GmbH - **MADE IN AUSTRIA**

Typical Properties	Unit	Test Method	UNEX SAE 5W30 F
SAE Class		SAE J 300	5W-30
Density @ 15°C	g/cm ³	DIN 51 757	0,828
Kin. Viscosity @ 40°C	mm ² /s	DIN EN ISO 3104	51-53
Kin. Viscosity @ 100°C	mm ² /s	DIN EN ISO 3104	9,50-9,80
Viscosity Index (VI)		DIN ISO 2909	169-171
Flash Point COC	°C	DIN ISO 2592	231
Pour Point	°C	DIN ISO 3016	-44

The figures given may vary within the usual commercial range.

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Longlife High-Performance Engine Oil

UNEX ENGINE OIL SAE 5W30 O

PROPERTIES

UNEX Engine Oil SAE 5W30 O is a high-performance fuel-economy engine oil of SAE grade 5W-30.

Base oils based on the latest synthesis technology and a matching innovative additive with lowered sulfate ash ensure compliance with current practical requirements. Excellent cold-starting behavior ensures optimum lubrication reliability in the cold-running phase and leads to high fuel savings.

UNEX Engine Oil SAE 5W30 O contributes to environmental protection by reducing emissions. Extreme loads and high temperatures are safely managed under all operating conditions.

APPLICATION INFORMATION

UNEX Engine Oil SAE 5W30 O is especially recommended for diesel engines with exhaust aftertreatment systems that meet the Euro VI emission standard. The engine oil maintains the effectiveness of the exhaust gas purification systems over extended running times.

UNEX Engine Oil SAE 5W30 O can also be used in gasoline and diesel engines that require the use of engine oils according to the former ACEA A5/B5 or A3/B4.

CERTIFICATES AND STANDARDS

- SAE 5W-30 • ACEA C2 / C3 • API SN
- MB 229.52, MB 229.51, MB 229.31 • VW 505 01 und 505 00 • BMW LL-04 • Opel GM Dexos 2 • Opel / Vauxhall OV 0401547



UNEX Engine Oil SAE 5W30 O is a product of UNEX GmbH - **MADE IN AUSTRIA**

Typical Properties	Unit	Test Method	UNEX SAE 5W30 O
SAE Class		SAE J 300	5W-30
Density @ 15°C	g/cm ³	DIN 51 757	0,859
Kin. Viscosity @ 40°C	mm ² /s	DIN EN ISO 3104	68-72
Kin. Viscosity @ 100°C	mm ² /s	DIN EN ISO 3104	12-12,5
Viscosity Index (VI)		DIN ISO 2909	163-165
Flash Point COC	°C	DIN ISO 2592	236
Pour Point	°C	DIN ISO 3016	-40

The figures given may vary within the usual commercial range.

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Longlife High-Performance Engine Oil

UNEX SAE 5W40 LS ENERGY

PROPERTIES

UNEX SAE 5W40 LS ENERGY is a high-performance fuel-economy engine oil of SAE grade 5W-40.

Selected base oils based on the latest synthesis technology and a matching innovative additive with lowered sulfate ash ensure compliance with current practical requirements. Excellent cold-start behavior ensures optimum lubrication reliability in the cold-running phase and leads to high fuel economy.

UNEX SAE 5W40 LS ENERGY contributes to environmental protection by reducing emissions. Extreme loads and high temperatures are safely managed under all operating conditions.

APPLICATION INFORMATION

UNEX SAE 5W40 LS ENERGY is especially recommended for diesel engines with exhaust aftertreatment systems, such as DPF (diesel particulate filter) and also for gasoline engines with three-way catalytic converters. The engine oil maintains the effectiveness of the exhaust gas purification systems over extended running times.

UNEX SAE 5W40 LS ENERGY meets Opel dexos2 requirements and can also be used in engines where engine oils are required according to Opel GM-LL-A-025 and Opel GM-LL-B-025.

UNEX SAE 5W40 LS ENERGY can also be used in gasoline and diesel engines where the use of engine oils according to the former ACEA A3/B4 is required.

CERTIFICATES AND STANDARDS

• SAE 5W-40 • ACEA C3 • API SN/CF

• BMW Longlife-04 • Porsche A 40 • MB 229.51, MB 229.31 • Opel GM dexos2 • VW-Norm 502 00 und 505 00 • Ford WSS-M2C917-A • VW-Norm 505 01

UNEX ENERGY SAE 5W40 LS is a product of UNEX GmbH - **MADE IN AUSTRIA**

Typical Properties	Unit	Test Method	UNEX SAE 5W40 LS ENERGY
SAE Class		SAE J 300	5W-40
Density @ 15°C	g/cm ³	DIN 51 757	0,853
Kin. Viscosity @ 40°C	mm ² /s	DIN EN ISO 3104	68-70
Kin. Viscosity @ 100°C	mm ² /s	DIN EN ISO 3104	13-14
Viscosity Index (VI)		DIN ISO 2909	171-173
Flash Point COC	°C	DIN ISO 2592	232
Pour Point	°C	DIN ISO 3016	-37

The figures given may vary within the usual commercial range.

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Smooth Running Engine Oil

UNEX ENGINE OIL SAE 10W40 (Car)

PROPERTIES

UNEX Engine Oil SAE 10W40 is a fuel-efficient engine oil of SAE class 10W-40.

Base oils based on the latest synthesis technology, selected additives and very shear stable VI improvers ensure that the specified viscosity class is maintained over the entire oil life. Reliable cold starting even at low temperatures and high-temperature resistance under extreme loads are guaranteed. Cleaning additives prevent deposits, pistons and valves remain clean and guarantee the highest permissible oil residence time.

Selected additives permanently neutralize acidic combustion products, effectively protect the engine from corrosion and wear.

APPLICATION INFORMATION

UNEX Engine Oil SAE 10W40 is recommended for passenger car gasoline and diesel engines, including turbo-diesel and catalytic converter versions. **UNEX Engine Oil SAE 10W40** corresponds to the former ACEA A3/B3.

CERTIFICATES AND STANDARDS

- SAE 10W-40 • API SL/CF
- MB 229.1 • VW 501 01 / 505 00



UNEX Engine Oil SAE 10W40 is a product of UNEX GmbH - **MADE IN AUSTRIA**

Typical Properties	Unit	Test Method	UNEX ENGINE OIL- SAE 10W40
SAE Class		SAE J 300	10W-40
Density @ 15°C	g/cm ³	DIN 51 757	0,874
Kin. Viscosity @ 40°C	mm ² /s	DIN EN ISO 3104	95-98
Kin. Viscosity @ 100°C	mm ² /s	DIN EN ISO 3104	14-14,5
Viscosity Index (VI)		DIN ISO 2909	145-150
Flash Point COC	°C	DIN ISO 2592	230
Pour Point	°C	DIN ISO 3016	-30

The figures given may vary within the usual commercial range.

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Zinc-Free HLVP Hydraulic Oil

HYDRAULIC



Zinc-Free HLVP Hydraulic Oil

UNEX HYDRAULIC OIL HLVP

PROPERTIES

UNEX HYDRAULIC OIL HLVP hydraulic oils are zinc-free mineral oil-based pressure fluids with particularly favorable viscosity-temperature behavior (high-VI hydraulic oils). Only paraffin-based first raffinate is used as the base oil. Even in the case of extreme temperature fluctuations and when starting up hydraulic systems from temperatures below zero, UNEX HYDRAULIC OIL HLVP achieves maximum uniformity in the operating behavior of the systems. Optimum wear, corrosion and oxidation protection properties ensure maximum functional reliability of hydraulic systems with extended oil residence times and minimum maintenance requirements. The good filterability of UNEX HYDRAULIC OIL HLVP is a prerequisite for use in many hydraulic systems, filter blockages are avoided.

APPLICATION INFORMATION

UNEX HYDRAULIC OIL HLVP is particularly suitable for hydraulic systems that are exposed to highly fluctuating temperatures. This includes the entire range of mobile hydraulics as well as all stationary equipment operating outdoors (scrap presses, sluice gates, loading units, ship hydraulics, etc.).

The multigrade character of UNEX HYDRAULIC OIL HLVP allows extensive grade reductions. This largely avoids the risk of confusion for the user. Stock-keeping and ordering in the company are simplified.

UNEX HYDRAULIC OIL HLVP can be used wherever zinc-free HVLP or HLP hydraulic oils are specified.

TECHNICAL DESCRIPTION / SPECIFICATIONS

UNEX HYDRAULIC OIL HLVP hydraulic oils are very shear stable and exceed the requirements for hydraulic oils HVLP according to DIN 51 524 part 3 and for hydraulic oils HV according to ISO 11158.

CERTIFICATES AND STANDARDS

- Hydraulic oil HVLP according to DIN 51524 part 3
- Hydraulic oil HV acc. to ISO 11158

UNEX HYDRAULIC OIL HLVP Hydraulic Oils are products of UNEX GmbH - **MADE IN AUSTRIA**



UNEX HYDRAULIK OIL HLVP					
Typical Properties	Unit	Test Method	32	46	68
Method		DIN 51 502	HVLP 32	HVLP 46	HVLP 68
		DIN ISO 6743/4	HV 32	HV 46	HV 68
Density @ 15°C	g/cm ³	DIN 51 757	0,869	0,873	0,878
Kin. Viscosity @ 40°C	mm ² /s	DIN EN ISO 3104	32-32,5	45-46	67-67,5
Kin. Viscosity @ 100°C	mm ² /s	DIN EN ISO 3104	6,30-6,60	6,9-7,5	10,5-11
Viscosity Index (VI)		DIN ISO 2909	98-104	100-105	103-108
Flash Point COC	°C	DIN ISO 2592	212	232	240
Pour Point	°C	DIN ISO 3016	-30	-33	-33

The figures given may vary within the usual commercial range.

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Fully Synthetic Smooth Running
Multi-functional Gear Oil

GEAR OIL MANUEL



Fully Synthetic Smooth Running Multi-functional Gear Oil UNEX GEAR MULTI SYN SAE 75W90

PROPERTIES

UNEX GEAR MULTI SYN SAE 75W90 is a fully synthetic smooth-running multi-functional gear oil for highly loaded axle and manual transmissions. The SAE 75W-90 viscosity grade guarantees both excellent post-flow behavior at low temperatures and maximum lubrication reliability at high temperatures, even with the longest oil residence times. High fuel economy is achieved by the special smooth running properties of UNEX GEAR MULTI SYN SAE 75W90.

APPLICATION INFORMATION

UNEX GEAR MULTI SYN SAE 75W90 is suitable for the universal supply of manual transmissions, auxiliary drives and rear axles, including highly stressed hypoid-toothed drive axles in, among others, commercial vehicles, agricultural machinery, construction machinery or passenger cars. The requirements according to API GL-4 and API GL-5 are fulfilled with a large reserve. Oil change intervals of up to 500,000 km, depending on the manufacturer's specifications, are possible, which, among other things, reduces maintenance costs and thus increases economic efficiency.

UNEX GEAR MULTI SYN SAE 75W90 can also be used without problems in gearboxes where gear oils according to MAN 341 type E3 and MAN 342 type M3 are required.

CERTIFICATES AND STANDARDS

• SAE 75W-90 • API GL-4 / GL-5 • API MT-1 • SAE J2360 (MIL-PRF-2105 D/E)

• MB 235.8 • VW G 052 911, VW G 0 50/0 51 • MAN 341 Typ Z2 • Ford M2C200C • MAN 342 Typ S1 • Toyota • Scania STO 1:0 • Opel • Scania STO 2:0A FS • KIA • ZF TE-ML 02B, 05A, 12L, 12N, 16F, 17B, 19C, 21A • Hyundai • Volvo Transmission Oil 97 312 • BMW OSP • Mack GO-J • Arvin Meritor 076-N • Eaton Transmission (Europe) • DAF • Iveco • Renault



UNEX GEAR MULTI SYN SAE 75W90 is a product of UNEX GmbH - **MADE IN AUSTRIA**

Typical Properties	Unit	Test Method	UNEX GEAR MULTI SYN SAE 75W90
SAE Class		SAE J 306	75W-90
Density @ 15°C	g/cm ³	DIN 51 757	0,869
Kin. Viscosity @ 40°C	mm ² /s	DIN EN ISO 3104	107
Kin. Viscosity @ 100°C	mm ² /s	DIN EN ISO 3104	15,7
Viscosity Index (VI)		DIN ISO 2909	157
Flash Point COC	°C	DIN ISO 2592	200
Pour Point	°C	DIN ISO 3016	<-51

The figures given may vary within the usual commercial range.

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Multipurpose Gear Oil For Manual Transmissions

UNEX GEAR UNIVERSAL SAE 75W90

PROPERTIES

UNEX GEAR UNIVERSAL 75W-90 is a multi-purpose gear oil for highly loaded manual transmissions. The selected base oils based on the latest synthesis technology and the additives are adapted to the special loads of manual transmission oils.

UNEX GEAR UNIVERSAL 75W-90 has excellent aging resistance, particularly high pressure absorption capacity, optimum viscosity-temperature behavior with very good low-temperature properties and is very shear stable.

CERTIFICATES AND STANDARDS

UNEX GEAR UNIVERSAL 75W-90 is designed for highly stressed manual transmissions (with and without synchronizer), transfer cases and steering gears in motor vehicles and work machines.

- SAE 75W-90 • API GL-4



UNEX GEAR UNIVERSAL SAE 75W90 is a product of UNEX GmbH - **MADE IN AUSTRIA**

Typical Properties	Unit	Test Method	UNEX GEAR UNIVERSAL SAE 75W90
SAE Class		SAE J 306	75W-90
Density @ 15°C	g/cm ³	DIN 51 757	0,871
Kin. Viscosity @ 40°C	mm ² /s	DIN EN ISO 3104	75,2
Kin. Viscosity @ 100°C	mm ² /s	DIN EN ISO 3104	13,5
Viscosity Index (VI)		DIN ISO 2909	188
Flash Point COC	°C	DIN ISO 2592	206
Pour Point	°C	DIN ISO 3016	<-43

The figures given may vary within the usual commercial range.

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Transmission Oil For Continuously
Variable Automatic Transmissions
(CVT)

GEAR OIL AUTOMATIC



Transmission Oil For Continuously Variable Automatic Transmissions (CVT) UNEX GEAR Fluid ATF CVT

PROPERTIES

UNEX Gear ATF CVT is a gear oil for continuously variable automatic transmissions (CVT) based on selected base oils of the latest synthesis technology and a powerful additive package. UNEX Gear ATF CVT is a universal ATF for use in continuously variable transmissions with steel push link belts or chains.

It offers very good wear, corrosion and oxidation protection for reliable function and longest service life, as well as high friction value stability.

APPLICATION INFORMATION

UNEX Gear ATF CVT is a multifunctional ATF for use in continuously variable transmissions (CVT) of most Japanese passenger cars.

UNEX Gear ATF CVT is not suitable for use in DCT/DSG, Hybrid CVT's (Honda/Ford) or stepped automatic transmissions.

CERTIFICATES AND STANDARDS

• Audi Multitronic • VW TL 521 80 (G 052 180) • Nissan NS-1, NS-2, NS-3 • Mitsubishi Diaqueen CVTF-J1 • BMW Mini Cooper EZL799 • Mitsubishi Diaqueen • Punch CVT Daihatsu Ammix CVT DFE • Mitsubishi Diaqueen CVTF-J4 and J4+ • Shell Green 1V • VW TL 521 16 (G 052 516) • Daihatsu Ammix CVT Fluid DC • MB 236.20 SP-III (CVT model only) • Subaru iCVT • Mazda JWS 3320 • Daihatsu Ammix CVT Fluid DFC • Toyota CVTF FE • Subaru iCVT FG • Toyota CVTF TC 1 • Dodge / Jeep / Chrysler NS-2 • Idemitsu CVTS-EX • Subaru ECVT • Dodge / Chrysler / Jeep Mopar CVT+4 • Subaru Lineartronic chain CVT and CVT II Fluid • GM / Saturn DEX-CVT • Subaru Lineartronic High Torque (HT) CVT Fluid • Honda HMMF (without starting clutch) • Suzuki CVTF TC • Honda HCF2 • Suzuki CVTF 3320 • Honda Z-1 (CVT model, without starting clutch), • Suzuki NS-2 not SFU for 2001 – 2007 Honda Fit & Jazz) • Suzuki CVT Green 1&2 • Hyundai / KIA SP III (CVT model)



UNEX GEAR ATF CVT is a product of UNEX GmbH. - **MADE IN AUSTRIA**

Typical Properties	Unit	Test Method	UNEX GEAR ATF CVT
SAE Class	g/cm ²	DIN 51 757	0,847
Density @ 15°C	mm ² /s	DIN EN ISO 3104	31-33
Kin. Viscosity @ 40°C	mm ² /s	DIN EN ISO 3104	6,90-7,10
Kin. Viscosity @ 100°C		DIN ISO 2909	170-172
Viscosity Index (VI)	°C	DIN ISO 2592	209
Flash Point COC	°C	DIN ISO 3016	-48
Pour Point			

The figures given may vary within the usual commercial range.

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Multifunctional Automatic Transmission Oil UNEX GEAR ATF III MULTIFLUID

PROPERTIES

UNEX GEAR ATF III MULTIFLUID is a high-performance automatic transmission fluid based on selected base oils of the latest synthesis technology and a powerful additive package. UNEX GEAR ATF III MULTIFLUID can be used in modern passenger car and commercial vehicle automatic transmissions as well as in steering systems.

It offers very good wear, corrosion and oxidation protection for reliable function and longest service life, as well as high friction value stability.

APPLICATION INFORMATION

UNEX GEAR ATF III MULTIFLUID is a multifunctional ATF which covers the requirements of many European, American and Asian manufacturers. It can be used in transmissions with or without a torque converter lock-up clutch. UNEX GEAR ATF III MULTIFLUID can also be used without problems in automatic transmissions where MB specification MB 236.1, 236.2, 236.3, 236.5, 236.7, 236.9, 236.10, 236.11, 236.12, 236.14, 236.15, 236.41, 236.81 or 236.91 is required. Due to backward compatibility, grade reduction is also possible for use on older vehicles. UNEX GEAR ATF III MULTIFLUID can also be used in vehicles where MAN specification MAN Type 339 V1 / Z1 is required.

UNEX GEAR ATF III MULTIFLUID is not suitable for use in DCT/DSG or CVT transmissions.

CERTIFICATES AND STANDARDS

• JASO 1-A • MB release 236.6 and 236.9 • Voith H55.6336.XX • ZF Release Number ZF002061
• MAN 339 Typ V2 / Z2 ZF TE-ML 04D, 14B, 16L, 16R, 20B, 25B • MAN 339 Typ Z 11

• GM DEXRON IIIH, IIIG, IID • Volvo 97340, 97341 • Ford Mercon V • Volvo 4 speed (P/N 1161621), (PIN 1161540) • VW G 052 162, G 052 990, G 055 025 • Isuzu NPR ECO MAX, NPR HD, NPR XD, NQR und NRR-SCS • VW G 055 005, G 055 162, G 052 540 • Renault DP-0 • PSA AL-4 • BMW 7045E, 8072B, LA 2634, LT 71141, M 1375.4 • Saab 3309 • Hyundai / KIA SP-II, SP-III, JWS 3314, JWS 3317 • Honda ATF Z-1 • KIA Red-1 • Idemitsu K17 (JATCO) • Suzuki 3314, 3317 • Aisin Warner JWS 3309 • Toyota T, T-II, T-III, T-IV • Chrysler ATF +3, +4, MOPAR ASRC • Subaru ATF, ATF-HP • Mazda ATF-M III, ATF-MV • ZF TE-ML 03D, 05L, 09, 11A, 11B, 14A, 17C, 21L • Mitsubishi Diaqueen ATF J3, SP-II, SP-III • Allison TES-295 / -389, Allison C-4 • Nissan 402, Nissan Matic-D, J, K

UNEX GEAR ATF III MULTIFLUID is a product of UNEX GmbH - **MADE IN AUSTRIA**

Typical Properties	Unit	Test Method	UNEX GEAR ATF III MULTIFLUID
Colour			Colored Red
Density @ 15°C	g/cm ³	DIN 51 757	0,854
Kin. Viscosity @ 40°C	mm ² /s	DIN EN ISO 3104	35-36
Kin. Viscosity @ 100°C	mm ² /s	DIN EN ISO 3104	6,90-7,10
Viscosity Index (VI)		DIN ISO 2909	158-162
Flash Point COC	°C	DIN ISO 2592	2098
Pour Point	°C	DIN ISO 3016	-40

The figures given may vary within the usual commercial range.

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Automatic Transmission Oil

UNEX GEAR ATF ULTRA VI

PROPERTIES

UNEX GEAR ATF ULTRA VI is a high-performance automatic transmission fluid based on selected base oils of the latest synthetic technology and a powerful additive package. UNEX GEAR ATF ULTRA VI can be used in modern stepped automatic transmissions and hydraulic steering systems of passenger cars and commercial vehicles. It provides very good wear, corrosion and oxidation protection for reliable operation and long service life. UNEX GEAR ATF ULTRA VI ensures, in addition to very good friction performance and friction value stability, optimum shifting under all operating conditions.

APPLICATION INFORMATION

UNEX GEAR ATF ULTRA VI meets the requirements of the latest GM specification DEXRON VI and is suitable for use in modern stepped automatic transmission and steering systems. It is backwards compatible to the former DEXRON specifications like DEXRON IIH, IIG, IIE etc. and can also be used in vehicles where products according to GM Type A, Suffix A (TASA) are required. Furthermore, it is suitable for 6-speed automatic transmissions of Audi, BMW, Jaguar, PSA, Saab, Volvo, VW and Mercon SP.

UNEX GEAR ATF ULTRA VI is not suitable for use in DCT/DSG, or CVT transmissions.

CERTIFICATES AND STANDARDS

• General Motors ATF Dexron VI • Ford Mercon LV

• Aisin Warner JWS 3309, JWS 3324AW-1 • Isuzu BESCO ATF-II, ATF-III • Saab T-IV (JWS 3309) • Allison C-3, C-4 • Jaguar ATF 3403 M115, JLM 20238 • Saab 93 165 147 • Audi 5 HP LT 71141 • Jaguar LT 71141, ZF 5HP 24 Scion (All Vehicles) • Audi G 052 162-A1/A2, G 055 025 A2 • Jeep ATF+3, +4 • Subaru ATF, 5AT, HP • BMW JWS 3309, LA 2634, LT 71141 • Kia SP-II, SP-III, SP-IV, SP-IVM, Red 1 • Suzuki ATF 2326, 2384 K • BMW 7045E, ETL 8072B, M 1375.4 • Mazda ATF D-II, M-III, M-V, FZ • Suzuki ATF 3309,3314,3317 • BMW ZF 5HP18FL, 5HP24, 5HP30 • Mazda F-1, S-1, N-1 • Toyota ATF D-II, D-III • BMW Mini • MB 236.1, 236.2, 236.3, 236.5 • Toyota ATF T-III, T-IV, WS • Caterpillar TO-2 • MB 236.6, 236.7, 236.8, 236.9 • Vickers M2950-S, I-286-S • Chrysler ATF+, +2, +3, +4 • Mini Cooper T-IV • Voith 55.6336.XX • Daewoo LT71141 • Mitsubishi Diaqueen SK, SP-II, SP-III • Volvo CE 97340 • Fiat T-IV Typ, JWS 3309 • Mitsubishi Diaqueen SP-IV, AW, J2, J3 • VW 5 HP (ZF 5 HP 30) • Ford Mercon, FNR5 • Nissan Matic fluid C, D, J, K, S • VW 5HP (18FL, 30) • Ford M2C138-CJ, M2C166-H • Peugeot ZF 4HP20 • VW 5HP (19FL, 24A) • Ford WSS M2C 922 A1, 924 A (XT-8-QAW) • Porsche ZF 5HP19FL, ZF 5HP20 • VW G-055-025-A2TL 521 61 • Hyundai/KIA SP-IV-M, SP-IV-RR • Porsche ATF 3403 M115 • ZF 3&4 Speed Transmission • Hyundai SP-III, Dex-II / SP-II • Porsche LT 71141, T-IV (JWS 3309) • ZF TE-ML 09, 11A, 11B

UNEX GEAR ATF ULTRA VI is a product of UNEX GmbH - **MADE IN AUSTRIA**

Typical Properties	Unit	Test Method	UNEX GEAR ATF ULTRA VI
Colour			Colored Red
Density @ 15°C	g/cm ³	DIN 51 757	0,845
Kin. Viscosity @ 40°C	mm ² /s	DIN EN ISO 3104	27-29
Kin. Viscosity @ 100°C	mm ² /s	DIN EN ISO 3104	5,8-6,1
Viscosity Index (VI)		DIN ISO 2909	160-163
Flash Point COC	°C	DIN ISO 2592	205
Pour Point	°C	DIN ISO 3016	-49

The figures given may vary within the usual commercial range.

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Automatic Transmission Oil For Dual Clutch Transmission

UNEX GEAR TRANSMISSION FLUID DCT/DKG

PROPERTIES

UNEX GEAR GETRIEBEFLUID DCT/DKG is a high-performance dual clutch transmission fluid based on state-of-the-art synthesis technology. It is specially formulated to meet the particular wear and friction requirements of modern high-torque dual clutch transmissions. It offers very good wear, corrosion and oxidation protection for reliable function and longest service life, as well as high friction value stability.

APPLICATION INFORMATION

UNEX GEAR GETRIEBEFLUID DCT/DKG meets the requirements of modern dual clutch transmission oils running in an oil bath. The high friction value stability ensures slip-free transmission even of very high torques.

UNEX GEAR GETRIEBEFLUID DCT/DKG offers, in addition to a high viscosity index, best low-temperature shifting behavior, as well as stable coefficient of friction behavior even at high temperatures.

UNEX GEAR GETRIEBEFLUID DCT/DKG is not suitable for automatic transmissions and CVT transmissions.

CERTIFICATES AND STANDARDS

• VW TL 052 182 • VW TL 052 529 • BMW DCTF-1 • Ford WSS-M2C 936 A • MB 236.21 • PSA 9734 S2 • Mitsubishi Dia-Queen SSTF-I • Volvo 1161838, 1161839 • Porsche Oil Nr. 999.917.080.00 (FFL-3) • Renault BOT 450 • Ferrari TF DCT-F3 • Fiat BOT 341



UNEX GEAR GETRIEBEFLUID DCT/DKG is a product of UNEX GmbH - **MADE IN AUSTRIA**

Typical Properties	Unit	Test Method	UNEX GEAR GETRIEBEFLUID DCT/DKG
Density @ 15°C	g/cm ³	DIN 51 757	0,856
Kin. Viscosity @ 40°C	mm ² /s	DIN EN ISO 3104	33,2
Kin. Viscosity @ 100°C	mm ² /s	DIN EN ISO 3104	6,81
Viscosity Index (VI)		DIN ISO 2909	170
Flash Point COC	°C	DIN ISO 2592	208
Pour Point	°C	DIN ISO 3016	-48

The figures given may vary within the usual commercial range.

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Fully Synthetic Smooth Running
Multi-functional Gear Oil

TRUCK



Fully Synthetic Smooth Running Multi-functional Gear Oil UNEX GEAR SLX GEAR FLUID SAE 75W90

PROPERTIES

UNEX GEAR SLX GETRIEBEFLUID SAE 75W90 is a fully synthetic smooth-running multi-functional gear oil for highly loaded axle and manual transmissions. The SAE 75W-90 viscosity grade guarantees both excellent post-flow behavior at low temperatures and maximum lubrication reliability at high temperatures, even with the longest oil residence times. High fuel economy is achieved by the special smooth running properties of UNEX GEAR SLX GETRIEBEFLUID SAE 75W90.

APPLICATION INFORMATION

UNEX GEAR SLX GETRIEBEFLUID SAE 75W90 is suitable for the universal supply of manual transmissions, auxiliary drives and rear axles, including highly stressed hypoid-toothed drive axles in, among others, commercial vehicles, agricultural machinery, construction machinery or passenger cars. The requirements according to API GL-4 and API GL-5 are fulfilled with a large reserve. Oil change intervals of up to 500,000 km, depending on the manufacturer's specifications, are possible, which, among other things, reduces maintenance costs and thus increases economic efficiency.

Also in gearboxes where gear oils according to MAN 341 type E3 and MAN 342 type M3 are required, the UNEX GEAR SLX GEAR FLUID SAE 75W90 can be used without any problems.

CERTIFICATES AND STANDARDS

• SAE 75W-90 • API GL-4 / GL-5 • API MT-1 • SAE J2360 (MIL-PRF-2105 D/E)

• MB 235.8 • VW G 052 911, VW G 0 50/0 51 • MAN 341 Typ Z2 • Ford M2C200C • MAN 342 Typ S1 • Toyota • Scania STO 1:0 • Opel • Scania STO 2:0A FS • Kia • ZF TE-ML 02B, 05A, 12L, 12N, 16F, 17B, 19C, 21A • Hyundai • Volvo Transmission Oil 97 312 • BMW OSP • Mack GO-J • Arvin Meritor 076-N • Eaton Transmission (Europe) • DAF • Iveco • Renault



UNEX GEAR SLX GEAR FLUID SAE 75W90 is a product of UNEX GmbH - **MADE IN AUSTRIA**

Typical Properties	Unit	Test Method	UNEX GEAR SLX GETRIEBEFLUID SAE 75W90
SAE Class		SAE J 306	75W-90
Density @ 15°C	g/cm ³	DIN 51 757	0,869
Kin. Viscosity @ 40°C	mm ² /s	DIN EN ISO 3104	105-109
Kin. Viscosity @ 100°C	mm ² /s	DIN EN ISO 3104	15,5-16
Viscosity Index (VI)		DIN ISO 2909	155-160
Flash Point COC	°C	DIN ISO 2592	200
Pour Point	°C	DIN ISO 3016	<-51

The figures given may vary within the usual commercial range.

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Fully Synthetic Smooth-running Multifunctional Gear Oil UNEX GEAR TFA GEAR FLUID SAE 80W90

PROPERTIES

UNEX GEAR TFA GEAR FLUID SAE 80W90 is manufactured from selected base oils with additives specially matched to them. The SAE 80W-90 viscosity setting guarantees both good post-flow behavior at low temperatures and high lubrication reliability at high temperatures.

APPLICATION INFORMATION

UNEX GEAR TFA GEAR FLUID SAE 80W90 is a high-performance multi-functional gear oil for universal supply of commercial vehicle manual transmissions, auxiliary drives and rear axles, including highly stressed hypoid-toothed drive axles. UNEX GEAR TFA GETRIEBEFLUID SAE 80W90 can also be used without problems in transmissions where gear oils according to MAN 341 type E2 are required.

CERTIFICATES AND STANDARDS

• SAE 80W-90 • Ford M2C197-A • API GL-4 API GL-5 • Renault • API MT-1 • Mack GO-J ZF TE-ML 02B, 05A • SAE J 2360 (MIL-PRF-2105 D/E) • 12L, 12M, 16B, 17H • MB 235.0 • 19B, 21A • Scania STO 1:0 • ZF TE-ML 07A • MAN 341 Typ Z2 • Arvin Meritor Transmission 076-D • Robert Bosch TE ML 08 • Volvo 97321 • MAN 342 Typ M2 • DAF • Iveco



UNEX GEAR TFA GEAR FLUID SAE 80W90 is a product of UNEX GmbH. - **MADE IN AUSTRIA**

Typical Properties	Unit	Test Method	UNEX GEAR TFA GETRIEBEFLUID SAE 80W90
SAE Class		SAE J 306	80W-90
Density @ 15°C	g/cm ³	DIN 51 757	0,869
Kin. Viscosity @ 40°C	mm ² /s	DIN EN ISO 3104	105-108
Kin. Viscosity @ 100°C	mm ² /s	DIN EN ISO 3104	15,5-16
Viscosity Index (VI)		DIN ISO 2909	155-160
Flash Point COC	°C	DIN ISO 2592	200
Pour Point	°C	DIN ISO 3016	<-51

The figures given may vary within the usual commercial range.

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Transmission Oil for Drive Axles

UNEX GEAR TFR1 GEAR FLUID SAE 85W90

PROPERTIES

UNEX GEAR TFR1 GEAR FLUID SAE 85W90 is produced from special base oils with additives adjusted to them. The viscosity setting is selected to ensure both good post-flow behavior at low temperatures and high lubrication reliability at high temperatures.

APPLICATION INFORMATION

UNEX GEAR TFR1 GEAR FLUID SAE 85W90 is designed for very heavy duty hypoid geared drive axles as well as bevel and spur gears, steering gears and non-synchronized manual transmissions in motor vehicles and work machines with API GL-5 requirements.

CERTIFICATES AND STANDARDS

• SAE 85W-90 • API GL-5 • MIL PRF – 2105 D • MAN 342 Typ M2 • ZF TE-ML 05A, 12E, 16C, 17B, 19B, 21A



UNEX GEAR TFR1 GEAR FLUID SAE 85W90 is a product of UNEX GmbH - **MADE IN AUSTRIA**

Typical Properties	Unit	Test Method	UNEX GEAR TFR1 GETRIEBEFLUID SAE 85W90
SAE Class		SAE J 306	85W-90
Density @ 15°C	g/cm ³	DIN 51 757	0,889
Kin. Viscosity @ 40°C	mm ² /s	DIN EN ISO 3104	195-200
Kin. Viscosity @ 100°C	mm ² /s	DIN EN ISO 3104	17,5-18
Viscosity Index (VI)		DIN ISO 2909	92-96
Flash Point COC	°C	DIN ISO 2592	222
Pour Point	°C	DIN ISO 3016	<-22

The figures given may vary within the usual commercial range.

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Gear Oil for Drive Axles

UNEX GEAR TFS1 GEAR FLUID SAE 85W140

PROPERTIES

UNEX GEAR TFS1 GEAR FLUID SAE 85W140 is manufactured from special base oils with additives matched to them. The viscosity setting is selected to ensure both good post-flow behavior at low temperatures and high lubrication reliability at high temperatures.

APPLICATION INFORMATION

UNEX GEAR TFS1 GEAR FLUID SAE 85W140 is designed for very heavy duty hypoid geared drive axles as well as bevel and spur gears, steering gears and non-synchronized manual transmissions in motor vehicles and work machines with API GL-5 requirements.

CERTIFICATES AND STANDARDS

• SAE 85W-140 • API GL-5 • MIL-L-2105 C/D • ZF00443 Volvo 97310 ZF TE-ML 16D, 21A



UNEX GEAR TFS1 GEAR FLUID SAE 85W140 is a product of UNEX GmbH. - **MADE IN AUSTRIA**

Typical Properties	Unit	Test Method	UNEX GEAR TFS GETRIEBEFLUID SAE 85W140
SAE Class		SAE J 306	85W-140
Density @ 15°C	g/cm ³	DIN 51 757	0,899
Kin. Viscosity @ 40°C	mm ² /s	DIN EN ISO 3104	333-335
Kin. Viscosity @ 100°C	mm ² /s	DIN EN ISO 3104	24-25
Viscosity Index (VI)		DIN ISO 2909	92-96
Flash Point COC	°C	DIN ISO 2592	225
Pour Point	°C	DIN ISO 3016	<-20

The figures given may vary within the usual commercial range.

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Premium Low SAPS Engine Oil UNEX TRUCK LX SAE 5W30

PROPERTIES

UNEX TRUCK LX SAE 5W30 is a premium Low SAPS fuel-efficient engine oil for commercial vehicles with and without diesel particulate filter (DPF), EGR and SCR catalysts for NOx reduction. **UNEX TRUCK LX SAE 5W30** features low ash additive technology (Low SAPS = reduced sulfated ash, low phosphorus and sulfur content). By using selected base oils of the latest synthesis technology, the all-season viscosity range SAE 5W-30 preferred by many engine manufacturers is realized. **UNEX TRUCK LX SAE 5W30** allows significantly extended oil change intervals with improved engine protection. The modern "Low SAPS" additivation reduces internal friction in the engine, resulting in lower fuel consumption (fuel economy) with optimized wear protection. The economy is characterized by reduced oil consumption, reduced pollutant emissions, as well as more favorable operating costs. The improved soot carrying capacity contributes significantly to the prevention of abrasive wear in the engine and best engine cleanliness.

APPLICATION INFORMATION

UNEX TRUCK LX SAE 5W30 has been specially developed for the economical supply of exhaust-optimized engines, even under extreme loads. UNEX TRUCK LX SAE 5W30 is a year-round high-performance commercial vehicle engine oil, for Euro IV, V and VI engines and enables maximum oil change intervals. The engine oil maintains the effectiveness of the exhaust gas purification systems over very long running times. Performance losses due to clogged diesel particulate filters are prevented by lowered particulate emissions and higher efficiency is achieved.

CERTIFICATES AND STANDARDS

- SAE 5W-30 • ACEA E9 / E7 / E6 • API CK-4 / SN • JASHO DH-2
- MB 228.51 • Renault VI RLD-3 • MAN M 3477 • Detroit Diesel DDC 93K222 • MB 228.52 • Mack EOS-4.5 • Deutz TTCD • Deutz DQC IV-18 LA • MAN M 3677 • MTU MTL 5044 Typ 3.1 • Caterpillar ECF-3 Scania Low Ash • Volvo VDS-4.5 (STD 417-0003) • Renault Rn700 • Cummins CES 20086 • Ford WSS-MSC913-C



UNEX TRUCK LX SAE 5W30 is a product of UNEX GmbH. - **MADE IN AUSTRIA**

Typical Properties	Unit	Test Method	UNEX TRUCK LX SAE 5W30
SAE Class		SAE J 306	5W-30
Density @ 15°C	g/cm ³	DIN 51 757	0,855
Kin. Viscosity @ 40°C	mm ² /s	DIN EN ISO 3104	71-72,5
Kin. Viscosity @ 100°C	mm ² /s	DIN EN ISO 3104	11,8-12,1
Viscosity Index (VI)		DIN ISO 2909	160-165
Flash Point COC	°C	DIN ISO 2592	233
Pour Point	°C	DIN ISO 3016	-43

The figures given may vary within the usual commercial range.

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Premium Low SAPS Engine Oil for Commercial Vehicles

UNEX TRUCK STAR PLUS SAE 10W40

PROPERTIES

UNEX TRUCK STAR PLUS SAE 10W40 is a premium low SAPS engine oil for turbo diesel commercial vehicles based on the latest synthesis technology for use in modern Euro IV, V and Euro VI engines. Due to the innovative additivation, significantly increased fuel economy and optimum oxidation and aging stability are achieved over the entire oil change interval. Varnish and sludge formation are significantly reduced.

The SAE 10W-40 viscosity range ensures reliable cold starting at low outside temperatures and full lubricity at high operating temperatures.

UNEX TRUCK STAR PLUS SAE 10W40 is characterized by highest piston cleanliness, significantly improved shear stability and an improved air separation capacity and thus meets the current requirements according to API CK-4.

APPLICATION INFORMATION

UNEX TRUCK STAR PLUS SAE 10W40 has been specially developed for the economical supply of exhaust-optimized engines with exhaust aftertreatment systems. UNEX TRUCK STAR PLUS SAE 10W40 meets the latest exhaust emission standards and is used in extremely heavy-duty commercial vehicle diesel engines.

UNEX TRUCK STAR PLUS SAE 10W40 is backward compatible and can also be used in older engines. The requirements according to API CJ-4, CI-4 and CH-4 are met and exceeded. UNEX TRUCK STAR PLUS SAE 10W40 is therefore ideally suited as a rationalization product for mixed fleets, also for use in Euro I, II, III and IV vehicles with or without exhaust gas aftertreatment. The respective manufacturer's instructions must be observed.

CERTIFICATES AND STANDARDS

- SAE 10W-40 • ACEA E9 / E7 / E6 • API CK-4; CI-4 PLUS • Jaso DH-2
- MB 228.52 • Volvo VDS-4.5 (STD 417-0003) • MB 228.31 • Cummins CES 20081 / 20086 • MB 228.51 • Renault VI RLD-3 • MAN M 3477 • Detroit Diesel 93K222 • MAN M 3775 • Mack EOS-4.5 • Deutz TTCD • MTU MTL 5044 Typ 3.1 • Deutz DQC IV-18 LA • Caterpillar ECF-3

UNEX TRUCK STAR PLUS SAE 10W40 is a product of UNEX GmbH - **MADE IN AUSTRIA**

Typical Properties	Unit	Test Method	UNEX TRUCK STAR PLUS SAE 10W40
SAE Class		SAE J 300	10W-40
Density @ 15°C	g/cm ³	DIN 51 757	0,863
Kin. Viscosity @ 40°C	mm ² /s	DIN EN ISO 3104	100-105
Kin. Viscosity @ 100°C	mm ² /s	DIN EN ISO 3104	14-15
Viscosity Index (VI)		DIN ISO 2909	145-150
Flash Point COC	°C	DIN ISO 2592	228
Pour Point	°C	DIN ISO 3016	-39

The figures given may vary within the usual commercial range.

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Premium LOW SAPS Engine Oil UNEX TRUCK STAR SAE 10W40

PROPERTIES

UNEX TRUCK STAR SAE 10W40 is a premium low SAPS engine oil based on the latest synthesis technology for use in modern Euro V and VI engines. The innovative additive offers maximum fuel economy over the entire oil change interval due to excellent oxidation and aging stability. The SAE 10W-40 viscosity range ensures reliable cold starting at low external temperatures and full lubricity at high operating temperatures. The use of shear stable active ingredients ensures compliance with SAE grade 10W-40 throughout the oil change interval. Minimized evaporation loss significantly reduces oil consumption.

APPLICATION INFORMATION

UNEX TRUCK STAR SAE 10W40 was specially developed to supply exhaust-optimized engines with modern exhaust aftertreatments. **UNEX TRUCK STAR SAE 10W40** top FE has been adapted to the Euro V and Euro VI emission standards and is used in extremely heavy-duty commercial vehicle diesel engines. By many vehicle and engine manufacturers, engine oils of the performance category 10W-40 are preferably recommended for longest oil residence times in turbo diesel engines. UNEX TRUCK STAR top FE can also be used in engines where engine oils according to API CI-4 or CI-4 plus are required and is therefore also ideally suited as a rationalization product for use in older vehicles.

CERTIFICATES AND STANDARDS

• SAE 10W-40 • ACEA E9 / E7 / E6 • API CJ-4 • Jaso DH-2

• MB 228.51; MB 235.28 • Voith Retarder Typ B • Caterpillar ECF-3 und ECF-2 • Cummins CES 20081 • MAN M 3477, 3271-1 • Detroit Diesel DDC 93K218 • Volvo VDS-4 (STD 417-0001) • MTU MTL 5044 Typ 3.1 • Renault VI RLD-3 • Mack EO-O Premium Plus • Deutz DQC IV-10 LA • Scania Low Ash



UNEX TRUCK STAR SAE 10W40 is a product of UNEX GmbH - **MADE IN AUSTRIA**

Typical Properties	Unit	Test Method	UNEX TRUCK STAR SAE 10W40
SAE Class		SAE J 300	10W-40
Density @ 15°C	g/cm ³	DIN 51 757	0,861
Kin. Viscosity @ 40°C	mm ² /s	DIN EN ISO 3104	93-96
Kin. Viscosity @ 100°C	mm ² /s	DIN EN ISO 3104	13,5-14
Viscosity Index (VI)		DIN ISO 2909	145-150
Flash Point COC	°C	DIN ISO 2592	235
Pour Point	°C	DIN ISO 3016	-37

The figures given may vary within the usual commercial range.

PACKAGING



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Premium Low SAPS Engine Oil

UNEX TRUCK SUPER SAE 15W40 (low SAPS)

PROPERTIES

UNEX TRUCK SUPER SAE 15W40 ("low SAPS") is a premium low SAPS diesel engine oil based on the latest synthesis technology for use in modern Euro V and VI engines. The SAE 15W-40 viscosity range ensures reliable cold starting at low ambient and full lubricity at high operating temperatures.

APPLICATION INFORMATION

UNEX TRUCK SUPER SAE 15W40 ("low SAPS") has been specially developed to supply exhaust-optimized diesel engines with modern exhaust aftertreatments. Unex Truck Evo SAE 15W40 has been adapted to Euro V and Euro VI emission standards and is used in extremely heavy-duty commercial vehicle and construction machinery diesel engines.

Vehicle and engine manufacturers prefer to recommend engine oils in the 15W-40 performance category for extended oil residence times, even in turbo diesel engines. UNEX Truck Evo SAE 15W40 ("low SAPS") is backward compatible and can also be used in older engines. The requirements according to API CJ-4, CI-4, CI-4 PLUS and CH-4 are met and partly exceeded. UNEX Truck Evo SAE 15W40 ("low SAPS") is therefore also ideally suited as a rationalization product for use in older vehicles.

CERTIFICATES AND STANDARDS

• SAE 15W-40 • ACEA E9 • API CK-4 / CJ-4 / SM • JASO DH-2

• Volvo VDS-4.5 (STD 417-0003) • MTU DDC BR 2000/4000 • Renault VI RLD-4 • Caterpillar ECF-3 • Mack EOS-4.5 • Ford WSS-M2C171-F1 • Deutz DQC III-10 LA • Detroit Diesel DFS 93K222 • MAN M 3575 • Cummins CES 20086 • MTU MTL 5044 Typ 2.1 • MB 228.31



UNEX TRUCK SUPER SAE 15W40 ("low SAPS") is a product of UNEX GmbH. - **MADE IN AUSTRIA**

Typical Properties	Unit	Test Method	UNEX TRUCK SUPER SAE 15W40 (low SAPS)
SAE Class		SAE J 300	15W-40
Density @ 15°C	g/cm ³	DIN 51 757	0,873
Kin. Viscosity @ 40°C	mm ² /s	DIN EN ISO 3104	105-108
Kin. Viscosity @ 100°C	mm ² /s	DIN EN ISO 3104	14,5-15
Viscosity Index (VI)		DIN ISO 2909	138-142
Flash Point COC	°C	DIN ISO 2592	236
Pour Point	°C	DIN ISO 3016	-38

The figures given may vary within the usual commercial range.

PACKAGING



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Premium Low SAPS Engine Oil

UNEX TRUCK TURBO S SAE 10W30

PROPERTIES

UNEX TRUCK TURBO S SAE 10W30 is a premium low SAPS engine oil based on the latest synthesis technology for use in modern low SAPS Euro V and VI engines. The innovative additive offers maximum fuel economy over the entire oil change interval due to excellent oxidation and aging stability. In addition, varnish and sludge formation is significantly reduced due to improved oxidation stability at high temperatures. The SAE 10W-30 viscosity range ensures reliable cold starting at low ambient and full lubricity at high operating temperatures. **UNEX TRUCK TURBO S SAE 10W30** has again significantly improved shear stability and improved air release properties and thus meets the current requirements according to API CK-4.

APPLICATION INFORMATION

UNEX TRUCK TURBO S SAE 10W30 was specially developed to supply exhaust-optimized engines with modern exhaust aftertreatments. SRS Turbo Rekord ultra V has been adapted to Euro V and Euro VI emission standards and can be used in extremely heavy-duty commercial vehicle and construction machinery diesel engines. From many vehicle and engine manufacturers, engine oils of the performance category 10W-30 are recommended preferentially with longest oil residence times in turbo diesel engines. **UNEX TRUCK TURBO S SAE 10W30** is backward compatible and can also be used in older engines. It meets and exceeds the requirements of API CJ-4, CI-4, CI-4 PLUS and CH-4, making it ideal as a streamlining product for use in older vehicles.

CERTIFICATES AND STANDARDS

• SAE 10W-30 • ACEA E9 / E7 • API CK-4 / CJ-4 • JASO DH-2

• Volvo VDS-4.5 (STD 417-0003) • Detroit Diesel DFS 93K222 • Caterpillar ECF-3 • MB 228.31 • Renault VI RLD-3 • MAN M 3575 • Cummins CES 20086 • Deutz DQC III-18 LA • Mack EOS-4.5 • Ford WSS-M2C171-F1 • MTU MTL 5044 Typ 2.1 • MAN M 3775



UNEX TRUCK TURBO S SAE is a product of UNEX GmbH - **MADE IN AUSTRIA**

Typical Properties	Unit	Test Method	UNEX TRUCK TURBO S SAE 10W30
SAE Class		SAE J 300	10W-30
Density @ 15°C	g/cm ³	DIN 51 757	0,865
Kin. Viscosity @ 40°C	mm ² /s	DIN EN ISO 3104	80,5-81
Kin. Viscosity @ 100°C	mm ² /s	DIN EN ISO 3104	11,8-12,10
Viscosity Index (VI)		DIN ISO 2909	138-140
Flash Point COC	°C	DIN ISO 2592	235
Pour Point	°C	DIN ISO 3016	-38

The figures given may vary within the usual commercial range.

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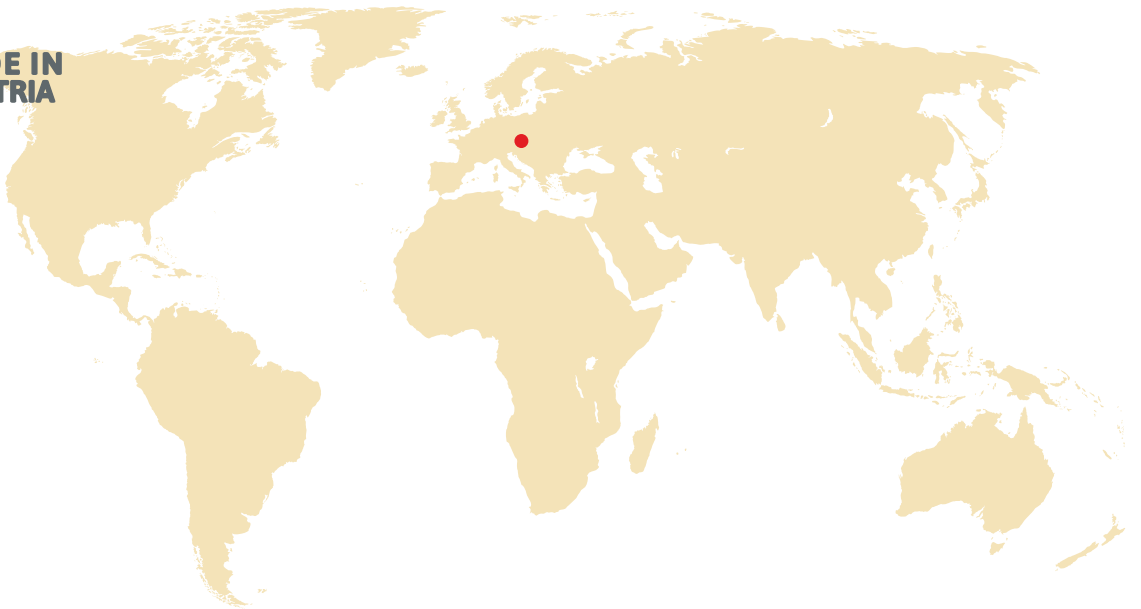
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