



# PRAGOS XHD LSP

## Low SAPS UHPD-HC-Synthetic Heavy Duty Diesel Engine Oil

### Description:

**PRAGOS XHD LSP** is an HC synthetic high- performance engine oil that meets the highly complex tribological requirements of the EURO 5 and EURO 6 commercial vehicle engine generation in an excellent way.

This engine oil was developed for exhaust aftertreatment systems (particle filters).

**PRAGOS XHD LSP** is designed for use in heavily loaded commercial vehicle diesel engines under all operating conditions.

As an UHPD oil, it achieves maximum oil change intervals (up to 100.000 km- depending on the manufacturer's instructions) and can be used for all trucks, construction machinery, buses, agricultural vehicles, etc.

### Characteristics

- Low Saps (Low Ash) technology
- Highest wear protection
- Exceptional ageing and oxidation stability
- Reduces formation of ageing products at high temperatures
- Low volatilization tendency
- Excellent viscosity-temperature behaviour
- Excellent lubrication in range of highest temperatures
- Good elastomer compatibility

### Effects

- Especially for the latest EURO 5 and EURO 6 engine generation
- Improved economy viability by extended inspections-intervals (up to 100.000 km)
- Fuel efficiency by lightrun properties
- Minimum wear at highly strained engines
- All-year operation
- Protection against reflector surface formation
- Guarantee for absolutely clean motors and particle separators.

### Usable for

SAE	10W-40
API	CK-4
ACEA	E6/E7/E9
We recommend this product for:	
CATERPILLAR	ECF-3
CUMMINS	CES 20086
DAF	
DETROIT DIESEL	DDC 93K222
DEUTZ	DQC IV-18 LA
JASO	DH2
MACK	EOS 4.5
MAN	M 3477, M 3271-1
MB	228.51
MB	226.9
MTU	Typ 3.1
RENAULT TRUCK	RXD, RGD
RENAULT VI	RLD-3
SCANIA	Low Ash
VOLVO	VDS 4.5, CNG

### Utilization

- Commercial vehicle diesel engines
- with multivalve-technology
- with turbo charging
- with catalyst technology
- with particulate filter

### Disposal:

- **PRAGOS XHD LSP** is assigned to category 2 of used oils and thus is free for disposal.

### Miscibility:

- **PRAGOS XHD LSP** is miscible with comparable lubrications. It is recommended to take only **PRAGOS XHD LSP** when refilling

Data are subject to change.

Attention: Service instructions should be observed!

STL/MO/NKW/-  
01/2022

**PRAGOS XHD LSP**

<b>Article No.</b>	<b>Packaging unit</b>	
STL 1090 955	Can	20 L
STL 1090 956	Drum	60 L
STL 1090 958	Drum	200 L
STL 1490 959	PE-Container	1000 L

## Typical characteristics:

Specific weight at 15°C	kg/m <sup>3</sup>	857
Dynamic viscosity at -25°C	mPa.s	4680
Viscosity at 40°C	mm <sup>2</sup> /s	97
Viscosity at 100°C	mm <sup>2</sup> /s	14,8
Viscosity index		160
Flash point COC	°C	234
Pourpoint	°C	-36
TBN	mgKOH/g	11
Sulphate ashes	%	0,95
Phosphorus content	mass. %	0,08
Sulphur content	mass. %	0,28

