



PRAGOS 1 MHD LSP

Low SAPS Heavy Duty Diesel HC-Synthetic Multigrade Motor Oil 15W40

Description:

PRAGOS 1 MHD LSP is a high-performance HC synthetic multigrade diesel engine oil based on the latest additive technology. It was developed for low- emission engines and excellently supports fuel economy.

Due to the low sulfur, phosphate and ash content and the outstanding oxidation and shear stability, it is used in modern truck engines.

PRAGOS 1 MHD LSP is used as an SHPD oil in engines with and without particle filter and catalytic converter.

PRAGOS 1 MHD LSP meets the current API CK-4 specification and is excellently suited for use in EURO 2, EURO 3, EURO 4, EURO 5 and EURO 6 engines in combination with diesel fuel up to 500 ppm sulfur.

Characteristics

- Low Saps (Low Ash) technology
- Highest wear protection
- Exceptional ageing and oxidation stability
- Reduces formation of ageing products at high temperatures
- Meets or exceeds the latest exhaust emission requirements
- Excellent detergent- and dispersant characteristics
- Very good shear stability

Effects

- Suitable for the EURO 2, 3, 4, 5, 6 engine generation with EGR and/or SCR and TIER 4 exhaust system
- Excellent cold-starting performance
- Fuel economy
- Optimal operating reliability
- Reduces wear on catalytic converter and particulate filter
- Absolutely clean engines and particulate filters
- All-year operation
- Suitable for extended oil change intervals

Usable for

SAE	15W-40
API	CK-4/SN
ACEA	E9
We recommend this product for:	
ALLISON	TES 439
CATERPILLAR	ECF-3
CUMMINS	CES 20086
DETROIT DIESEL	DFS 93K222
DEUTZ	DQC III-10 LA
FORD	WSS-M2C171-F1
JASO	DH2
MACK	EOS 4.5
MAN	M 3575, M 3275
MB	228.31
RENAULT VI	RLD-3
VOLVO	VDS-4.5

Utilization

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

Disposal:

- **PRAGOS 1 MHD LSP** is assigned to category 2 of used oils and thus is free for disposal.

Miscibility:

- **PRAGOS 1 MHD LSP** is only miscible with comparable lubrications and well tolerated. However, it is recommended to take only **PRAGOS 1 MHD LSP** when refilling.

Data are subject to change.

Attention: Service instructions should be observed!

STL/MO/NKW/-
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PRAGOS 1 MHD LSP

Article No.	Packaging unit	
STL 1000 475	Can	20 L
STL 1000 476	Drum	60 L
STL 1000 478	Drum	200 L
STL 1400 479	PE-Container	1000 L

Typical characteristics:

Specific weight at 15°C	kg/m ³	857
Dynamic viscosity at -20°C	mPa.s	4620
Viscosity at 40°C	mm ² /s	97
Viscosity at 100°C	mm ² /s	15,0
Viscosity index		163
Flash point COC	°C	232
Pourpoint	°C	-39
Sulphate ashes	%	0,93
Sulphur content	mass. %	0,26
Phosphorus content	mass. %	0,08
TBN	mgKOH/g	10

