



# M-TRUCK 1 LSP

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

## Description:

**M-TRUCK 1 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.

**M-TRUCK 1 LSP** is used as an SHPD oil in engines with and without particle filter and catalytic converter.

**M-TRUCK 1 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.

## Properties

- 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

## Suitable for/ we recommend this product 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:

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

## Miscibility:

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

**M-TRUCK 1 LSP**

<b>Article No.</b>	<b>Packaging unit</b>	
300 475	Can	20 L
300 476	Drum	60 L
300 478	Drum	200 L
340 479	PE-Container	1000 L

## Typical characteristics:

Specific weight at 15°C	kg/m <sup>3</sup>	857
Dynamic viscosity at -20°C	mPa.s	4620
Viscosity at 40°C	mm <sup>2</sup> /s	97
Viscosity at 100°C	mm <sup>2</sup> /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

