

PRAGOS Z13 LSP

Low SAPS Heavy Duty Diesel HC-Synthetic Multigrade Motor Oil 10W30

Description:

PRAGOS Z13 LSP is a high performance HC-synthetic multigrade diesel engine oil of the latest generation.

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 Z13 LSP is used as an SHPD oil in engines with and without particle filter and catalytic converter.

PRAGOS Z13 LSP meets the current API CK-4 specification and is excellently suited for use in 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 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	10W-30
API	CK-4/SN
ACEA	E6/E7/E9
We recommend this product for:	
CATERPILLAR	ECF-3, ECF-2, ECF-1
CUMMINS	CES 20081/86
DETROIT DIESEL	DDC 93K222, 93K218
DEUTZ	DQC IV-10 LA
MACK	EOS-4.5
MAN	M 3477, M 3575, M 3275
MB	228.51
MB	228.31
MTU	Type 3.1
RENAULT VI	RLD-4
VOLVO	VDS-4.5, VDS-4

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 Z13 LSP** is assigned to category 2 of used oils and thus is free for disposal.

Miscibility:

- **PRAGOS Z13 LSP** is only miscible with comparable lubrications and well tolerated. However, it is recommended to take only **PRAGOS Z13 LSP** when refilling.

PRAGOS Z13 LSP

Article No.	Packaging unit	
STL 1090 885	Can	20 L
STL 1090 886	Drum	60 L
STL 1090 888	Drum	200 L
STL 1490 889	PE-Container	1000 L

Typical characteristics:

Specific weight at 15°C	kg/m ³	855
Dynamic viscosity at -25°C	mPa.s	-
Viscosity at 40°C	mm ² /s	80
Viscosity at 100°C	mm ² /s	12,0
Viscosity index		144
Flash point COC	°C	262
Pourpoint	°C	-36
Sulphate ashes	%	-
Sulphur content	mass. %	-
Phosphorus content	mass. %	-
TBN	mgKOH/g	9,3

