

### Fullpro HT MSPS 10W-30

*Approved Performance with Mid SAPS*

*Technology*



#### PRODUCT DESCRIPTION

**Fullpro HT MSPS 10W-30**, is a diesel engine oil that provides ultra high performance in low emission diesel engines of heavy commercial vehicles. It helps to extend the engine service life. The combination of state-of-the-art additive technology with special base oils enables long oil drain intervals. It improves the efficiency of exhaust gas emission systems such as Diesel Particulate Filter (DPF), Diesel Oxidation Catalyst (DOC), and Exhaust Gas Recirculation (EGR).

#### APPLICATIONS

- It is suitable for use in low-emission diesel engines of modern technology and heavy commercial vehicles fitted with DPF, DOC and EGR .

#### CHARACTERISTICS

- Its special formula improves the efficiency of exhaust after treatment systems such as DPF, DOC and EGR.
- Its superior thermal and oxidation stability maintains its performance during the long oil drain interval recommended by the engine manufacturers.
- The new additive and base oil technology provides excellent engine protection.
- Its excellent fluidity during cold weather conditions protects the engine against wear by providing quick lubrication of engine parts during the first start-up.
- Its superior soot handling keeps the engine clean, provides ultra high engine performance, and reduces maintenance costs.

#### PERFORMANCES

- ACEA E9 / E7
- API CK-4
- CAT ECF-3
- CUMMINS CES 20086
- DETROIT DIESEL DFS 93K222
- DEUTZ DQC III-18 LA
- DTFR 15C100 ( ex MB APPROVAL 228.31)
- FORD WSS-M2C171-F1
- JASO DH-2
- MACK EO-S-4.5
- MAN M 3775
- MTU TYPE 2.1
- RENAULT RLD-3
- VOLVO VDS-4.5

### TYPICAL PROPERTIES

Density@15°C, g/ml	ASTM D 4052	0,870
Viscosity@ 40°C, mm <sup>2</sup> /s	ASTM D 445	80,9
Viscosity@100°C, mm <sup>2</sup> /s	ASTM D 445	11,8
Viscosity Index	ASTM D 2270	139
Flash Point, °C	ASTM D 92	230
Pour Point, °C	ASTM D 97	-39
TBN, mgKOH/g	ASTM D 2896	9,4
Sulfated Ash, wt%	ASTM D 874	1,0

### HEALTH AND SAFETY RECOMMENDATIONS

Waste oils must not be discharged into underground or surface water sources, sewage systems or garbage cans. Prolonged or repeated contact with used oils may cause skin diseases. Therefore sterilized gloves should always be used. If part of the skin comes into contact with waste oil, that part should be immediately washed with plenty of soap and water. In case of skin irritation or redness caused by contact, seek advice of your doctor immediately. For more information contact Material Safety Data Sheet (MSDS).

*The vehicle and equipment manufacturers specifications and relevant international standards were taken into consideration while preparing the content of this Technical Data Sheet. The expressions in the content of this Technical Data Sheet can not be considered as guarantee commitment or similar way in terms of product characteristics and product use in any applications.*

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