

### Fullpro HT MSPS 15W-40

Approved Performance with Mid SAPS Technology



#### PRODUCT DESCRIPTION

**Fullpro HT MSPS 15W-40**, is a diesel engine oil which 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 interval. It improves 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 to use in low emission diesel engines of modern technology heavy commercial vehicles fitted with DPF, DOC and EGR .

#### CHARACTERISTICS

- Its special formula improves 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 change 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.
- Its superior soot handling keeps engine clean, provides ultra high engine performance and reduces maintenance cost.

#### PERFORMANCES

- ACEA E9
- API CK-4, CJ-4
- CAT ECF 3
- CUMMINS CES 20086
- DETROIT DIESEL DFS 93K222
- DEUTZ DQC III-10 LA
- MACK EO.S-4.5
- MB-APPROVAL 228.31
- MTU TYPE 2.1
- RENAULT RLD-3
- VOLVO VDS-4.5

### TYPICAL PROPERTIES

Density@15°C, g/ml	ASTM D 4052	0,877
Viscosity@ 40°C, mm <sup>2</sup> /s	ASTM D 445	95,8
Viscosity@100°C, mm <sup>2</sup> /s	ASTM D 445	13,2
Viscosity Index	ASTM D 2270	136
Flash Point, °C	ASTM D 92	230
Pour Point, °C	ASTM D 5950	-39
TBN, mgKOH/g	ASTM D 2896	7,5
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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