

Fullpro HT MSPS 10W-40

Approved Performance with Mid SAPS Technology

PRODUCT DESCRIPTION

Fullpro HT MSPS 10W-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 .
- It is suitable to use in diesel engine vehicles operating in construction, mining and transportation sectors.

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.
- Its advanced additive technology provides excellent wear protection in engine under extreme operating conditions.
- 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.
- Includes 300 ppm fluorescent green dye having no effect on its performance at all.

PERFORMANCES

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|-------------------------------------|-------------------------------|
| • ACEA E9/E7 | • DEUTZ DQC III-10 LA |
| • API CJ-4/CI-4 PLUS/CI-4/CH-4 | • MACK EO-O/EO-M PREMIUM PLUS |
| • API SN/SM | • MAN M 3575 |
| • CAT ECF-3/ECF-2 | • MB-APPROVAL 228.31 |
| • CNH MAT 3521 | • MTU TYPE 2.1 |
| • CUMMINS CES 200081/20076 | • RENAULT RLD-3 |
| • DETROIT DIESEL DDC93K218/K215/214 | • VOLVO VDS-4 |

TYPICAL PROPERTIES

Density@15°C, g/ml	ASTM D 4052	0,867
Viscosity@ 40°C, mm ² /s	ASTM D 445	107,1
Viscosity@100°C, mm ² /s	ASTM D 445	15,5
Viscosity Index	ASTM D 2270	154
Flash Point, °C	ASTM D 92	228
Pour Point, °C	ASTM D 97	-45
TBN, mgKOH/g	ASTM D 2896	9,8
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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