

Fullpro HT LSPS 5W-30 *Superior Performance Synthetic* *Heavy Duty Diesel Engine Oil*



PRODUCT DESCRIPTION

Fullpro HT LSPS 5W-30, is a ultra high performance synthetic diesel engine oil that is based on the state of the art additive technology providing fuel economy.

APPLICATIONS

- It can be used in EURO VI engines of modern heavy duty vehicles.

CHARACTERISTICS

- Its low sulphated ash, sulphur and phosphorous content improves efficiency and extends the service life of exhaust gas emission systems such as DPF.
- Its advanced additive technology provides excellent wear protection in engine under full load in long run operations.
- Its improved friction characteristic provides fuel economy.
- Its high thermal and oxidation stability maintains its performance during the long oil drain interval that is recommended by the engine manufacturers.
- Its excellent fluidity during cold weather protects the engine against wear by providing quick lubrication of engine parts during the first start.
- Its low volatility reduces oil consumption, so helps decreasing the hydrocarbon pollution.

APPROVALS

- MAN 3677
- DFTR 15C110 (Former MB-APPROVAL 228.51)

PERFORMANCES

- ACEA E6/E//E8/E11
- API CK-4/SN
- CATERPILLAR ECF-3
- CUMMINS CES 20086
- DEUTZ DQC IV-18 LA
- DETROIT DIESEL DDC93K222
- DFTR 15C100/120 (Former MB APPROVAL 228.31/228.52)
- IVECO 18-1804 TLS E6
- MACK EOS-4.5
- MAN 3691/3775
- RENAULT RLD-3
- SCANIA LDF-4
- VOLVO VDS-4.5

TYPICAL PROPERTIES

Density@15°C, g/ml	ASTM D 4052	0,856
Viscosity@ 40°C, mm ² /s	ASTM D 445	72,7
Viscosity@100°C, mm ² /s	ASTM D 445	11,9
Viscosity Index	ASTM D 2270	161
CCS @-30 °C, mPa.s	ASTM D 5293	6.252
Flash Point, °C	ASTM D 92	228
Pour Point, °C	ASTM D 97	-42
TBN, mgKOH/g	ASTM D 2896	9,32
Sulfated Ash, weight%	ASTM D 874	0,74

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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