

### Fullpro HT LSPS 10W-40

*Approved Performance with Low SAPS*

### Technology



#### PRODUCT DESCRIPTION

**Fullpro HT LSPS 10W-40**, is a synthetic diesel engine oil that is developed to meet lubrication requirements of modern heavy commercial vehicles. Low sulphated ash, phosphorus, and sulphur (Low SAPS) content improves the efficiency of exhaust gas after treatment systems such as Diesel Particulate Filters (DPF).

#### APPLICATIONS

- It is especially recommended for Euro III, Euro IV, Euro V, and Euro VI engines fitted with DPF.
- It is suitable to use in turbocharged or natural gas diesel engines of new-generation commercial vehicles.

#### CHARACTERISTICS

- Its Low SAPS content improves the efficiency of exhaust gas after treatment systems such as DPF and prolongs the life of these systems.
- Its advanced additive technology provides excellent engine wear protection under extreme operating conditions and prolongs the engine's life.
- Its active cleaning feature keeps engine parts clean and reduces maintenance costs.
- Its superior thermal and oxidation stability maintains its performance during the long oil change interval recommended by the engine manufacturers.

#### APPROVALS

- MACK EO-N
- RENAULT TRUCKS RLD-2
- VOLVO VDS-3

#### PERFORMANCES

- ACEA E9/E7/E6
- API CI-4
- CATERPILLAR ECF 1a
- CUMMINS CES 20076
- DEUTZ DQC-IV-18 LA / DQC TTCD
- DTFR 15C110 (ex MB-APPROVAL 228.51)
- FORD WSS-M2C944-A (60.000 km ömür için)
- JASO DH-2
- MAN 3477/ 3271-1
- MTU TYPE 3.1
- RENAULT TRUCKS RXD / RGD

### TYPICAL PROPERTIES

Density@15°C, g/ml	ASTM D 4052	0,861
Viscosity@ 40°C, mm <sup>2</sup> /s	ASTM D 445	101,4
Viscosity@100°C, mm <sup>2</sup> /s	ASTM D 445	14,8
Viscosity Index	ASTM D 2270	153
Flash Point, °C	ASTM D 92	228
Pour Point, °C	ASTM D 97	-36
TBN, mgKOH/g	ASTM D 2896	10,1
Sulfated Ash, wt%	ASTM D 874	0,95

### 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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