



Tedex SHPD VDS -4.5 LSP Motor Oil

engine oil

Product description:

Tedex SHPD VDS4.5 LSP Motor Oil is a multigrade engine oil formulated through the high technology of "low- SAPS" additives that stands for the low level of sulfur ash (SA), phosphorus (P) and sulfur (S). This innovative formulation allows for time extension of trouble- free DPF filter's performance, excellent engine protection, reduction of fuel consumption, minimization of exhaust fumes emission. The supporting power is additionally simulated by the use of high quality base oil characterized with good viscosity and temperature properties which improves the activity of additives. It guarantees better protection against wearing, deposits formation and increases the resistance on thermal disintegration in high temperatures, compared to previous oils generation.

Specifications and Approvals

Viscosity grade SAE:	15W-40
Quality class by API:	CK-4, CJ-4, CI-4+, CI-4, CH-4, CG-4, CF-4, CF-2, CF/SN
Quality class by ACEA:	E9-2016
Caterpillar	ECF-3
Cummins	CES 20086
Detroit Diesel	DDC 93K-222
Deutz	DQC III-10 LA
MAN	M3775
MB	228.31
MACK	EOS 4.5
Renault Truck	RLD-4
Volvo	VDS-4.5
MTU	Oil type 2.1,
WT-TEDEX	37D rev. IV

Application

Tedex SHPD VDS4.5 LSP Motor Oil oil is designed to lubricate high loaded Diesel engines running under very difficult conditions and equipped with fumes extraction system: Selective Catalytic Reduction of NOx (SCR), Exhaust Gas Recirculation (EGR) and Diesel Particulate Filters (DPF) and VGT.

It is HD (Heavy Duty) type oil which guarantees the highest performance, excellent protection for almost all engines including the latest ones that fulfill the pollutant emission limits on Euro VI levels as well as older generation engines. It is suitable for agricultural and construction machinery, even while using high sulfur content fuel. The oil guarantees proper engine performance in all climate zones that is why it can be successfully used by international transport companies. It protects the engine against wear through a metal on metal friction during long lasting high load that is characterized for vehicles in international transport.

Recommended

Tedex SHPD VDS4.5 LSP Motor Oil is recommended for lubrication of engines of buses in city traffic, intercity and international traffic and cars with high mileage, especially with Cummins ISB6.7 EURO VI engines used in city buses.

Newest low-SAPS formulation allows to protect filters and catalysts used in exhaust systems of the newest vehicles with low emission. It is recommended by a high variety of manufacturers, suitable for both newest low emission vehicles (EURO VI, US 2010) and older models.

Features

The appropriate selection of raw materials in the formulation of **Tedex SHPD VDS4.5 LSP Motor Oil** allows to achieve excellent operating properties:

- anti oxidizing properties- prevent from forming acids, waxes, deposits, soot and increase viscosity as a result of oil oxidation
- improved system of acids neutralization helps float operators in obtaining maximum flexibility of extending distances between oils changes
- modern low ash formulation prevents from blocking filters and poisoning catalysts in exhaust systems. It enables to keep the emission level in

accordance with law and affects in reduction of fuel consumption

- washing and dispergating properties- keep the engine's elements clean even during long periods of exploitation
- anti wear properties- protect to a high extent against the engine wear
- anti corrosive and anti rust properties - provide effective engine protection during the whole period of its performance even while using high sulfur content diesel oil
- viscosity and temperature properties- guarantee easy engine start-up in winter conditions and appropriate engine lubrication

Tedex SHPD VDS4.5 LSP Motor Oil is mixable with other oils from similar quality class, home- made and foreign production.

Physical and chemical properties – typical values

Tedex SHPD VDS -4.5 LSP Motor Oil		15W40
Kinematic viscosity at 100 °C	mm²/s	15,15
Viscosity index	-	139
Flashpoint COC	°C	220
Pour point	°C	-33
Total base number (TBN)	mgKOH/g	9,5
Sulfated ash % mass	% (m/m)	< 1,0

Above parameters are standard data, we reserve the right to change them due to technical progress

Industrial Safety and Fire-fighting properties

All safety information is included in the product's Material Safety Data Sheet, which contains detailed information

concerning potential threats, safety pre-cautions and first aid measures, as well as information concerning the product's impact on the environment and disposal considerations.

Storage and transport

Tedex SHPD VDS4.5 LSP Motor Oil oils shall be stored in closed containers, which protect the oils from moisture, water and mechanical impurities. The recommended storage temperature range is 5°C - 35 °C. The oil can be transported by means of road and rail transport, both in bulk and in barrels – it does not generate danger.

Any information on the application of TEDEX's oils and grease can be obtained at:

TEDEX S.A.

97-200 Tomaszów Mazowiecki, Cygan 2

Tel. (0-44) 724 95 62, (0-44) 725 29 15



TEDEX S.A. z siedzibą w Warszawie
ul. Człuchowska 68A, 01-360 Warszawa.

Wpisana do Rejestru Przedsiębiorców Krajowego Rejestru Sądowego prowadzonego przez Sąd Rejonowy dla m.st. Warszawy w Warszawie, XIV Wydział Gospodarczy Krajowego Rejestru Sądowego pod nr KRS 0000403921/ NIP 9441506727 /REGON 351189439, kapitał zakładowy 3.250.000 zł, w całości wpłacony.



ZAKŁAD PRODUKCJI OLEJÓW W TOMASZOWIE MAZOWIECKIM

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