

# GOLDENSTONE® SUPER SHPD SAE 15W-40

## Technical Data Sheet (TDS)

### ULTRA HIGH PERFORMANCE DIESEL ENGINE OIL

#### Description and Application

**Goldenstone® Super SHPD 15W-40** is a new category engine oil of medium SAPS level intended for moderately extended oil drain intervals. This oil is based on API Group II base oils as per the new motor oil tendencies and complies with the requirements imposed by the heavy duty diesel engines bio-diesel fuel in accordance with EU regulations.

This lubricant is designated for the lubrication of the most modern heavy duty and heavy-loaded diesel engines used in international haulage and equipped with the modern aftertreatment systems (EGR or SCR) for hazardous NOx reduction and/or diesel particulate filters (DPF) combined with low-sulphur diesel fuels.

**Goldenstone® Super SHPD 15W-40** multigrade engine oil is recommended for highly rated diesel engines complying with Euro IV, Euro V & Euro VI low emission standards and operated under severe loads and conditions.

#### Benefits

- Protection against cylinder bore polishing and wear
- High engine cleanliness with considerably extended drain intervals up to 60 000 km
- Problem-free operation even in case of a heavily sooted oil
- High temperature thickening protection
- Bearing corrosion protection
- Foam control
- Easy engine start-ups even at very low sub-zero temperatures

#### Specifications

	SAE 15W-40
ACEA	E9/E7
API	CJ-4/SM
MB	228.31
MAN	M 3575-1
Volvo	VDS-4
Renault Trucks	RLD-3
MTU	Type 2.1
Scania	Low Ash
Deutz	DQC III-10-LA
Caterpillar	ECF-3, ECF-2, ECF-1a
Cummins	CES 20081
Mack	EO-O Premium Plus
Detroit Diesel	93K218

#### Typical Characteristics

Parameter	Test Method	Typical Value
Density at 20°C, g/ml	EN ISO 3675	0.882
Kinematic Viscosity at 100°C, mm <sup>2</sup> /s	EN ISO 3104	14.8
Kinematic Viscosity at 40°C, mm <sup>2</sup> /s	EN ISO 3104	109
Viscosity Index	ISO 2909	140
Flash point COC, °C	EN ISO 2592	234
Pour point, °C	ISO 3016	-33
TBN (HClO <sub>4</sub> ), mg KOH/g	ASTM D 2896	9.5
Sulfated Ash, %	EN ISO 3987	1.0

Important note: typical data values do not constitute a specification but are an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved.

Goldenstone Europe APS

## Health, Safety and Handling

Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application.

For more information about product MSDS, terms and conditions for storage and shelf life please visit:

<http://www.goldenstoneoils.com>

## Packages

20L, 210L, 1000L

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