

## GOLDENSTONE® SUPER HD SAE 15W-40/20W-50

### Technical Data Sheet (TDS) MULTIGRADE ENGINE OILS

#### Description and Application

**Goldenstone® Super HD** multigrade engine oils are formulated for older models diesel and gasoline engines. The oils are formulated with a special selection of high quality solvent refined and hydrotreated base stocks and a performance additive package to ensure optimal engine protection against wear, corrosion and deposit formation. These lubricants are designated for the lubrication of heavy duty diesel engines naturally aspirated or turbocharged operated in commercial vehicles and buses (engaged in urban and interurban services) and in off-high way equipment and machines in mining and construction industry, farming, etc. with predominantly normal drain intervals.

**Goldenstone® Super HD** are especially fits for older models heavy duty engines in commercial trucks, as well as locomotive diesel engines. It can also be used for the lubrication of diesel and gasoline engines in passenger cars, light duty trucks and vans.

#### Benefits

- Dependable protection against wear, corrosion and deposit formation
- Oil soot control
- Very good detergent-dispersant properties ensuring maximum engine cleanliness

#### Specifications

	SAE 15W-40	SAE 20W-50
ACEA	E2	
API	CF-4/CF/SF/SG	
Allison	C3	-
Caterpillar	TO-2	-

#### Typical Characteristics

Parameter	Test Method	Typical Value	
		SAE 15W-40	SAE 20W-50
Density at 20°C, g/ml	EN ISO 3675	0.880	0.886
Kinematic Viscosity at 100°C, mm <sup>2</sup> /s	EN ISO 3104	14.5	19.0
Kinematic Viscosity at 40°C, mm <sup>2</sup> /s	EN ISO 3104	106.4	168.4
Viscosity Index	ISO 2909	130	125
Flash point COC, °C	EN ISO 2592	228	238
Pour point, °C	ISO 3016	-30	-24
TBN (HClO <sub>4</sub> ), mg KOH/g	ASTM D 2896	11.5	
Sulfated Ash, %	EN ISO 3987	1.5	

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.

#### 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:

[www.goldenstoneoils.com](http://www.goldenstoneoils.com)

#### Packages

210L, 1000L