

## GOLDENSTONE® 4T SAE 10W-40/15W-40/15W-50/20W-50

### Technical Data Sheet (TDS) FOUR-STROKE GASOLINE ENGINE OILS

#### Description and Application

The multigrade engine oils Goldenstone® 4T are formulated from a special selection of high quality solvent refined and hydrotreated base stocks and high performance advanced additive package produced by the most modern technology. The formulation ensures excellent piston and ring deposit control at high temperature and high speed operating conditions and the anti-wear agents present in the additive system minimize engine wear at different engine speeds and loads.

The multigrade engine oils Goldenstone® 4T are designed for use in modern four-stroke gasoline engines of motorcycles, both air and water cooled, demanding API SL and JASO MA/MA-2 performance level lubricants. Goldenstone® 4T 10W-40 is semi-synthetic engine oil.

#### Benefits

- High oxidation stability
- Finely balanced detergent/dispersant properties, ensuring clean and flawless engine operation at elevated operating temperatures.
- Dependable corrosion protection
- Lower fuel consumption and reduced hazardous particulate matter in the exhaust gasses

#### Specifications

	SAE 10W-40	SAE 15W-40	SAE 15W-50	SAE 20W-50
JASO	MA/MA-2			
API	SL			

#### Typical Characteristics

Parameter	Test Method	TYPICAL VALUES			
		SAE 10W-40	SAE 15W-40	SAE 15W-50	SAE 20W-50
Density at 20°C, g/ml	EN ISO 3675	0.860	0.867	0.875	0.872
Kinematic Viscosity at 100°C, mm <sup>2</sup> /s	EN ISO 3104	14.5	14.8	17.5	18.4
Kinematic Viscosity at 40°C, mm <sup>2</sup> /s	EN ISO 3104	100	111	127	160
Viscosity Index	ISO 2909	150	138	150	129
Flash point COC, °C	EN ISO 2592	224	228	236	236
Pour point, °C	ISO 3016	-36	-33	-30	-30
TBN (HClO <sub>4</sub> ), mg KOH/g	ASTM D 2896	7.5			
Sulfated Ash, %	EN ISO 3987	1.1			

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)