



# G-Profi MSI 10W-40, 15W-40

## Ultimate Diesel Performance

### Product Description

G-Profi MSI 10W-40, G-Profi MSI 15W-40 are high performance all-purpose engine oils with a unique set of base components and specially selected composition of additives. Designed according to the requirements of the latest vehicle manufacturers, possess the increased operational properties margin. Ensure easy start and wear reduction of the engine at cold start. Intended for heavy-loaded diesel engines of trucks, buses, special and off-road vehicles of the leading European, US and Japanese manufacturers used under heavy conditions, including vehicles with an exhaust gas recirculation.

### Benefits

- Improved detergency provides constant cleanliness of the engine components and increases the service life
- Excellent lubrication characteristics provide a stable oil film on the engine components protected from wear under various operation modes of the engine
- Improved dispersing properties reduce the tendency to thickening and wear because of the carbon black
- The increased neutralization capacity ensures the improved anticorrosive and antioxidant properties.
- Maximum capacity of the engine is provided by high antifriction properties

### Application

- In the MB (Euro-2,3), MAN (Euro-2), Volvo(Euro-3), Cummins (without exhaust gas recirculation), Deutz (Euro-3), MTU and CAT ECF-1a , Renault with Long Life service, Caterpillar engines
- in the engines of other manufacturers requiring the API CI-4/SL operation quality level

### Specifications and Approvals

	G-Profi MSI 10W-40	G-Profi MSI 15W-40
ACEA E7, A3/B4	+	+
API CI-4/SL	+	+
MB 228.3	+	+
MAN M3275	+	+
Volvo VDS-3	+	+
MTU type II	+	+
Renault RLD-2	+	+
Deutz DQC III	+	+
Caterpillar ECF-1a	+	+
Cummins 20076	+	+

## Physical and Chemical Characteristics

		G-Profi MSI 10W-40	G-Profi MSI 15W-40
Kinematic viscosity			
• at 40 °C, mm <sup>2</sup> /s	ASTM D 445	97.6	111.4
• at 100 °C, mm <sup>2</sup> /s	ASTM D 445	14.3	14.5
Viscosity index	ASTM D 2270	151	134
Flash point, °C	ASTM D 92	232	230
Pour point, °C	ASTM D 97	-36	-33
Density at 15 °C kg/l	ASTM D 1298	872.0	885.0
Base Number, mg KOH/g	ASTM D 2896	11,3	11,3
Sulfated Ash, %	ASTM D 874	1,33	1,33

## Health and Safety

The oil poses no threat to the health and the environment under keeping of service rules of personal and industrial hygiene, as well as when used properly in the recommended applications. Avoid skin contact. When changing the oil, use protective gloves/mittens. Upon skin contact wash off the oil with soap and water immediately. For more information on this subject please refer to the product safety data sheet.

## Environmental Protection

Waste oil and remainder of the products are under obligatory collection in a hermetically sealed container and handing over to waste oil acceptance stations. Do not discharge waste oil into drains, soil or water.