

G-Profi MSI 5W-40

Heavy Duty Diesel Engine Oils



Turbocharged engine



Up to Euro 4



Exhaust Gas Recirculation



Selective catalytic reduction



High temperature deposits control



Protection against wear



Semisynthetic

G-Profi MSI 5W-40 is heavy duty diesel engine oil, designed to protect under the full range of pressures and temperatures found in modern engines. Formulated in semisynthetic base oils they provide improved cold start fluidity and circulation, while also protecting components under severe load, when running at high temperatures. The use of modern additive chemistry ensures engine cleanliness and extended component life. This makes it the ideal choice for operators of heavy-duty on- and off-highway vehicles. G-Profi MSI 5W-40 has wide specification profile and can be used for mixed fleets, including gasoline engines and cars.

Applications



- Wide range of turbocharged and non-turbocharged diesel engines requiring API CI-4 performances and meeting Euro 4 emission standard. Suitable for engines with exhaust after-treatment devices (EGR, SCR). Not applicable for engines fitted with diesel particulate filters (DPF)
- Heavy duty diesel engines from European, US and Japanese manufacturers of commercial vehicles, buses, trucks
- Off-road application, including agricultural, construction, mining equipment
- Gasoline engines where API SL (or lower) performance is required

Features	Advantages and Potential Benefits
Excellent TBN retention	Higher corrosion protection to extend overhaul intervals
Shear stable	The extremely stable viscosity modifier controls the viscosity of the oil throughout its service life minimizing wear
Increased thermal and oxidation stability	Extended drain intervals and engine life
Low temperature fluidity	Wear protection during cold starts to prolong engine life
High detergent properties	Lower high temperature deposits formation to reduce maintenance costs

Meets the requirements:

- ACEA E7
- API CI-4/SL
- MB 228.3
- MAN M 3275
- Volvo VDS-3

Typical Characteristics

Properties	G-Profi MSI 5W-40	Method
SAE Viscosity Grade	5W-40	SAE J300
Kinematic Viscosity @ 40°C, mm ² /s	91,4	ASTM D 445
@ 100°C, mm ² /s	14,7	ASTM D 445
Viscosity Index	168	ASTM D 2270
Flash Point (COC), °C	233	ASTM D 92
Pour Point, °C	-41	ASTM D 97
Density @ 15°C, kg/m ³	863	ASTM D 4052
Total Base Number, mg KOH/g	11	ASTM D 2896
Sulphated Ash, wt%	1,33	ASTM D 874

Health, Safety & Environment

Information is provided for products in the relevant Safety Data Sheet (SDS). This provides guidance on potential hazards, precautions and first-aid measures, together with environmental effects and disposal of used products. SDS's are available upon request through your sales contract office. This product should not be used for purposes other than its intended use.

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Approvals:

- Cummins CES 20076
- Deutz DQC III
- MAN M 3275-1
- MB 228.3
- MTU Cat. 2
- Renault Trucks RLD/RLD-2
- Volvo VDS-3
- KAMAZ
- YaMZ

Meets the requirements:

- API CI-4/SL (licensed)
- ACEA E7
- Caterpillar ECF-1a
- Cummins CES 20077
- Detroit Diesel DDC 93K215
- JASO DH-1
- Komatsu
- MACK EO-M Plus/EO-N

Typical Characteristics

Properties	G-Profi MSI 10W-40	Method
SAE Viscosity Grade	10W-40	SAE J300
Kinematic Viscosity @ 40°C, mm ² /s	110	ASTM D 445
@ 100°C, mm ² /s	15	ASTM D 445
Viscosity Index	149	ASTM D 2270
Flash Point (COC), °C	228	ASTM D 92
Pour Point, °C	-38	ASTM D 97
Density @ 15°C, kg/m ³	875	ASTM D 4052
Total Base Number, mg KOH/g	11	ASTM D 2896
Sulphated Ash, wt%	1,33	ASTM D 874

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