

G-Profi MSI Plus 15W-40

Heavy Duty Diesel Engine Oil



Turbocharged engine



Up to Euro 3



Exhaust Gas Recirculation



Selective catalyst reduction



High temperature deposits control



Engine cleanliness



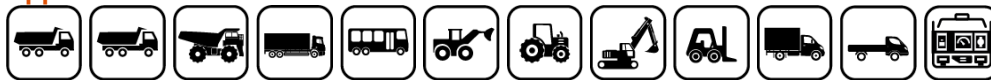
Corrosion protection



High quality mineral base oils

G-Profi MSI Plus 15W-40 – is high performance engine oil engineered to adapt and protect under the full range of operation conditions found in heavy duty diesel engines. It designed with high quality base oils and selected additive package that provides excellent engine cleanliness and extended component life under severe loads. Suitable for engines equipped with exhaust aftertreatment systems (EGR, SCR) meeting Euro 3, Euro 2 emission standards. G-Profi MSI Plus 15W-40 specially formulated to meet the requirements of the Cummins CES 20078.

Applications



- Heavy-duty diesel engines from European, American and Japanese manufacturers
- On-highway heavy-duty trucks including mixed fleets with gasoline engines and cars
- Off-highway vehicles including: mining, construction, quarrying, and agriculture application
- Suitable for turbocharged engines meeting Euro 3, Euro 2 emission standards with exhaust aftertreatment systems (EGR, SCR). Not applicable for engines fitted with diesel particulate filters (DPF)

Features	Advantages and Potential Benefits
Increased thermal and oxidation stability	Extended drain intervals and engine life
High detergent and dispersant properties	Lower high temperature deposits formation to reduce maintenance costs
Excellent TBN retention	Higher corrosion protection to extend overhaul intervals
Advanced soot handling	Protection against oil thickening to control filter pressure for long engine life
Highly stable viscosity modifiers	Resistance to breakdown even under high temperatures
Excellent corrosion protection	Cleaner engines for longer engine life

Meets the requirements:

- API CI-4/SL (licensed)
- ACEA E7
- Detroit Diesel DDC 93K215
- Caterpillar ECF-1a/ECF-2
- JASO DH-1
- Komatsu

Approvals:

- Cummins CES 20078
- Detroit Diesel DDC 93K215
- Deutz DQC III
- Mack EO-N
- MAN M 3275-1
- MB 228.3
- MTU Cat.2
- Renault Trucks RLD-2
- Volvo VDS-3
- KAMAZ
- YaMZ

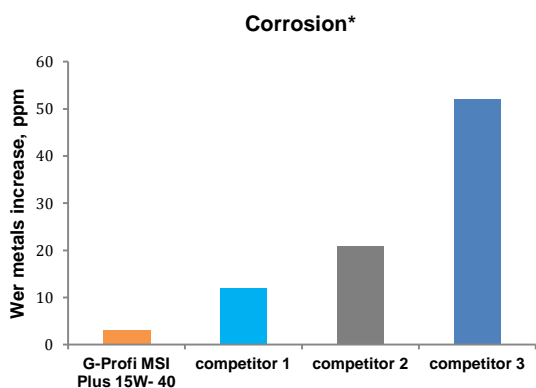
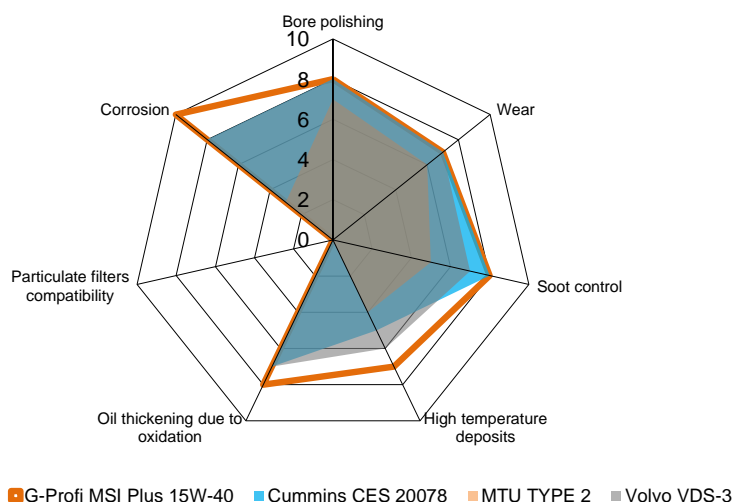
Typical Characteristics

Properties	Method	G-Profi MSI Plus 15W-40
SAE Viscosity Grade	SAE J300	15W-40
Kinematic Viscosity @ 40°C, mm ² /s	ASTM D445	115,7
Kinematic Viscosity @ 100°C, mm ² /s	ASTM D445	15,1
Viscosity Index	ASTM D2270	134
Flash Point (COC), °C	ASTM D92	232
Pour Point, °C	ASTM D97	-32
Density @15°C, kg/m ³	ASTM D4052	887
Total Base Number, mg KOH/g	ASTM D2896	11,3
Sulphated Ash, wt%	ASTM D874	1,4

G-Profi MSI Plus 15W-40 engineered to meet or exceed the requirements of many leading industry and car manufacturers' standards.

G-Profi MSI Plus 15W-40 outperform following standards:

- MTU Type 2
 - better soot control
 - better corrosion protection
- Cummins CES 20078
 - piston high temperature deposits 15% lower
- Volvo VDS-3
 - soot oil thickening 15% lower



*ASTM D6594; **High Frequency Reciprocating Rig

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.