

G-Profi MSF 10W- 40 and 15W- 40

Heavy Duty Diesel Engine Oil



Turbocharged engine



Up to Euro 2



Protection against high temperature deposits



Detergent properties



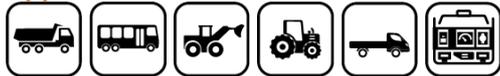
Semisynthetic 10W-40



Mineral 15W-40

G-Profi MSF are high performance engine oils engineered to offer the ultimate protection of diesel engines by offering improved and stronger wear and deposits control. Formulated from high quality base stocks and balanced additives they provide effective protection under various operation conditions. Encashed acid-control system helps to control engine cleanliness to prolong engine life. G-Profi MSF suitable for use in wide range of on and off-highway applications where API CF-4 performance is required.

Applications



- Wide range of turbocharged and non-turbocharged heavy duty diesel engines requiring API CF-4 performances and meeting Euro 2 emission standard
- Commercial vehicles, buses, trucks and off-road agricultural, construction equipment from European and US manufacturers
- Gasoline engines where API SG (or lower) performance is required

Features	Advantages and Potential Benefits
Increased thermal and oxidation stability	Extended drain intervals and engine life
High detergent properties	Lower high temperature deposits formation to reduce maintenance costs
Excellent TBN retention	Higher corrosion protection to extend overhaul intervals
Protection against wear	Excellent performance in both low and high temperature service for long engine life
Wide specification profile	Provide inventory rationalization options for the mixed fleet operator, where any of the performance levels shown below are stated

G-Profi MSF 10W-40

Approvals	Meets the requirements	Recommendations
<ul style="list-style-type: none"> • YaMZ • TMZ 	<ul style="list-style-type: none"> • KAMAZ 	<ul style="list-style-type: none"> • API CF-4 • API CF • API SG • Volvo VDS

G-Profi MSF 15W-40

Approvals	Meets the requirements	Recommendations
<ul style="list-style-type: none"> • YaMZ • TMZ 	<ul style="list-style-type: none"> • MAN 271 • MB 228.1 • MTU • Volvo VDS • KAMAZ 	<ul style="list-style-type: none"> • API CF-4 • API CF/SG

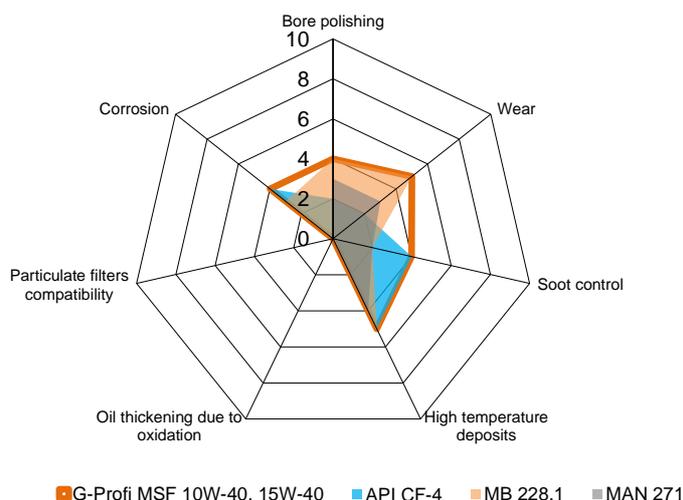
Typical Characteristics

Properties	Method	G-Profi MSF 10W-40	G-Profi MSF 15W-40
SAE Viscosity Grade	SAE J300	10W-40	15W-40
Kinematic Viscosity @ 40°C, mm ² /s	ASTM D445	100,0	110,2
Kinematic Viscosity @ 100°C, mm ² /s	ASTM D445	14,7	14,6
Viscosity Index	ASTM D2270	153	136
CCS @-25 °C, mPa·s	ASTM D5293	230	239
Flash Point (COC), °C	ASTM D92	-37	-34
Pour Point, °C	ASTM D97	874	882
Density @15°C, kg/m ³	ASTM D4052	9,3	8,9
Total Base Number, mg KOH/g	ASTM D2896	1,3	1,3

G-Profi MSF oils engineered to meet or exceed the requirements of many leading industry and car manufacturers' standards.

G-Profi MSF 10W-40 and **15W-40** outperform following standards:

- API CF-4
 - better wear protection
 - lower bore polishing
- MB 228.1
 - better corrosion protection
 - better oil thickening control
- MAN 271
 - deposits control
 - better soot control



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.