

G-Profi MSI 5W-40, 10W-40, 10W-30



Turbocharged engines



Euro-4 and lower



Exhaust Gas Recirculation



Selective Catalytic Reduction



High-temperature deposit protection



Improved wear protection



Semi-synthetic base oil

G-Profi MSI 5W-40, 10W-40 and 10W-30 – are all-season semi-synthetic based SHPD (Super High Performance Diesel) engine oils. Designed for use in Euro-4 heavy-duty turbocharged diesel engines produced by European, American, Asian manufacturers. Products provide enhanced wear protection and improved engine deposits control.

Application



- For on-road (heavy-duty trucks, buses, etc. и т.д.) and off-road (agricultural, mining, construction, etc.) machinery produced by European, American and Asian manufacturers.
- Heavy-duty turbocharged Euro 4 and lower tier engines, requiring API CI-4 and lower.
- Recommended for engines equipped with SCR, EGR (according to ACEA E7).
- Gasoline engines, requiring API SL level engine oils.

Advantages/Potential benefits

Adaptive additive technology of **G-Profi MSI 5W-40, 10W-40 and 10W-30** provides high engine performance in all working conditions:

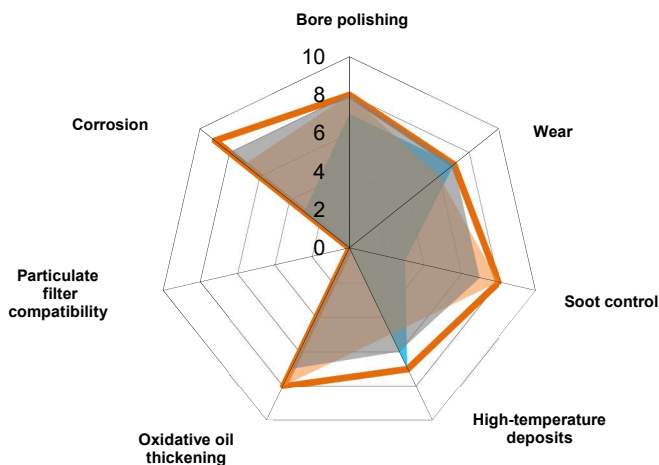
Features	Advantages/Potential benefits
Extended TBN reserve	Minimizing fuel combustion products activity – lowering maintenance cost
Improved oil films stability	Constant lubrication of engine parts in all operating modes – engine life preservation
Improved oxidation resistance	Better oil properties stability – lower risk of unexpected equipment failures
Excellent low-temperature performance	Normal lubrication and easier cold starts at cold weather – reducing the start-up wear
High detergency	Engine deposits minimization – lowering repair cost

Typical characteristics

Properties	Value			Method
	5W-40	10W-40	10W-30	
Kinematic viscosity, mm ² /s:				
at 40 °C	92,7	103,8	78,0	ASTM D 445
at 100 °C	15,0	15,3	11,8	ASTM D 445
Viscosity index	171	156	146	ASTM D 2270
Flash point (COC), °C	229	232	230	ASTM D 92
Pour point, °C	-44	-40	-40	GOST 20287
Density at 15 °C, kg/m ³	857	868	870	ASTM D 4052
Total Base Number, mg KOH/g	12	12	12	ASTM D 2896
Sulphated ash, % wt.	1,4	1,4	1,4	ASTM D 874

G-Profi MSI 5W-40, 10W-40 and 10W-30 are designed to satisfy and outperform the requirements of main equipment manufacturers:

- MB 228.3
 - better soot control;
 - improved corrosion protection;
- API CI-4
 - 15% better wear protection;
 - less deposits in cylinder-piston group;
- Volvo VDS-3
 - 15% better oxidation stability
 - 15% better soot control



■ G-Profi MSI 5W-30, 10W-40 и 10W-30 ■ MB 228.3 ■ API CI-4 ■ Volvo VDS-3

Specifications

5W-40

- ACEA E7; API CI-4/SL; MB 228.3; MAN M 3275; Volvo VDS-3; Autodiesel (YAMZ)

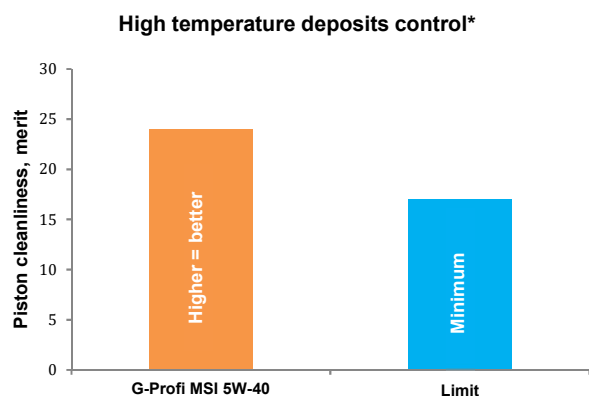
10W-40

- ACEA E7; API CI-4/ SL; Caterpillar ECF-2; Cummins CES 20076/20077/20078; Detroit Diesel DDC 93K215; Deutz DQC III-18; Global DHD-1; Komatsu; MACK EO-M Plus; MACK EO-N; MAN M 3275-1; MB 228.3; MTU Cat. 2; Renault Trucks RLD-2; Volvo VDS-3; Autodiesel (YAMZ); KAMAZ; TMZ

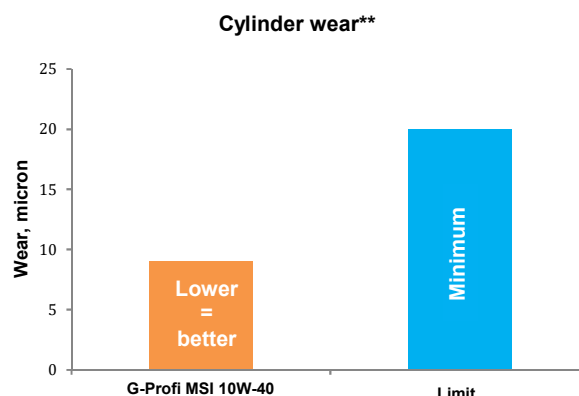
10W-30

- ACEA E7; API CI-4; Caterpillar ECF-1a/ECF-2; Cummins CES 20077/20078; Deutz DQC III-18; Global DHD-1; JASO DH-1; Komatsu; MACK EO-N; MAN M 3275; MB 228.3; MTU Cat. 2; Renault Trucks RLD-2; Volvo VDS-3

G-Profi MSI 5W-40, 10W-40 и 10W-30 outperforms the requirements of main specifications according to the tests:



Greatly improved detergency of G-Profi MSI 5W-40 provides advanced high-temperature deposits control, helping to reduce maintenance cost



Advanced wear protection of G-Profi MSI 10W-40 provides reducing repair cost and engine life preservation.

*Test Piston Cleanliness OM501LA; **Test Mack T12

Certified

ISO 9001



ISO 14001



ISO 45001

