

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



Turbocharged engines



Euro-4 and lower



Exhaust Gas Recirculation



Selective Catalytic Reduction



High-temperature deposits protection



Improved wear protection



Semi-synthetic base oil

G-Profi MSI 5W-40, 10W-40, 10W-30 are all-season semi-synthetic based SHPD (Super High Performance Diesel) engine oils. Designed for use in Euro-4 and lower tier heavy-duty diesel engines of vehicles, 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.) and off-road (agricultural, mining, construction, etc.) machinery produced by European, American, Asian and other manufacturers.
- SHPD heavy-duty Euro-4 tier engines, requiring API CI-4 and lower class engine oils.
- Compatible with EGR- and SCR-equipped engines (according ACEA E7).
- Can be used in gasoline engines, requiring API SL engine oils.

Features/Potential benefits

Adaptive additive technology of **G-Profi MSI 5W-40, 10W-40, 10W-30** products in combination with synthetic components 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 film 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

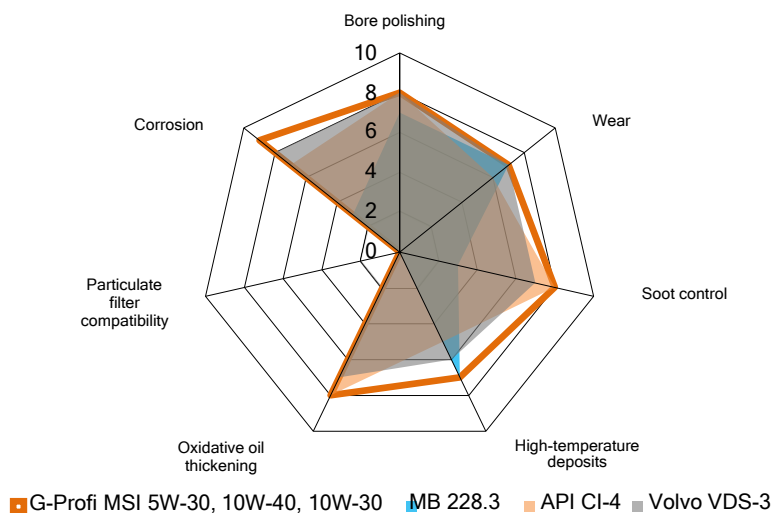
Typical characteristics

Properties	Value			Method
	5W-40	10W-40	10W-30	
Kinematic Viscosity, mm ² /s				
at 40 °C	91,4	102,2	77,1	ASTM D 445
at 100 °C	14,7	15,0	11,8	ASTM D 445
Viscosity Index	174	153	148	ASTM D 2270
Flash Point (COC), °C	226	230	240	ASTM D 92
Pour Point, °C	-42	-40	-40	ASTM D 97
Density at 15 °C, kg/m ³	863	875	873	ASTM D 4052
Total Base Number, mg KOH/g	11,5	11,5	11,5	ASTM D 2896
Sulphated Ash, % wt.	1,35	1,35	1,35	ASTM D 874

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



Approvals

10W-40

- API CI-4/SL
- MB-Approval 228.3
- Volvo VDS-3
- Mack EO-N
- MTU Cat.2
- Cummins CES 20078
- Renault Trucks RLD-2
- Deutz DQC III-18
- OJSC "Autodiesel" (YaMZ)
- OJSC "TMZ"
- OJSC "KAMAZ"

Specifications

5W-40

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

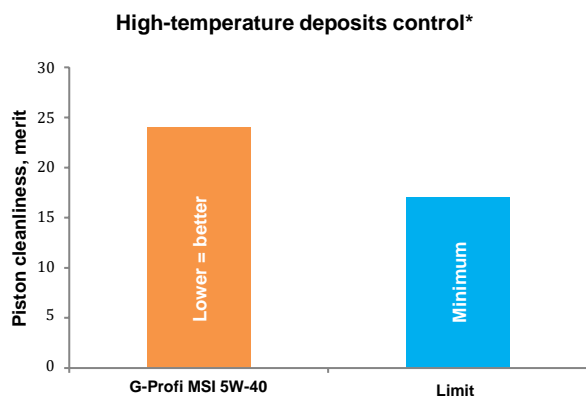
10W-40

- ACEA E7
- Caterpillar ECF-1a/2; Mack EO-M Plus; MAN M 3275-1
- Detroit Diesel DDC 93K215; Cummins CES 20076/77
- Komatsu; Global DHD-1

10W-30

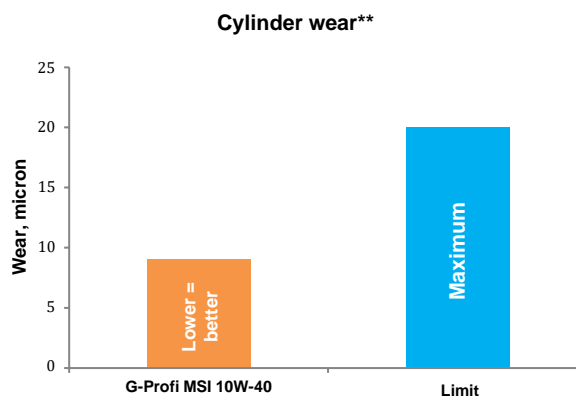
- ACEA E7; API CI-4/SL
- Caterpillar ECF-1a/2; Cummins CES 20077/78; MAN M 3275
- JASO DH-1; Komatsu; Global DHD-1; Renault Trucks RLD-2
- MTU Cat 2; MB 228.3; Volvo VDS-3; Deutz DQC III; Mack EO-N

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

* Piston Cleanliness test OM501LA; ** Mack T12 test



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

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.

Certified

ISO 9001



ISO 14001



ISO/TS 16949



ISO 45001



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