

## G-Profi MSJ 5W-30



**G-Profi MSJ 5W-30** is all-season synthetic-based energy conserving Low-SAPS (Low Sulphated Ash, Phosphorus and Sulfur content) PAO-containing engine oil. Designed for use in most modern Euro-5,6 and lower tier heavy-duty diesel engines of vehicles, produced by American, European, Asian and other manufacturers. **G-Profi MSJ 5W-30** has improved low-temperature performance.

### Application



- For on-road (heavy duty trucks, buses, etc.) and off-road (agricultural, mining, construction, etc.) machinery produced by American, European, Asian and other manufacturers.
- Modern low emission heavy-duty Euro-5 and 6 tier engines, requiring ACEA E6 level engine oils.
- Compatible with EGR- (Exhaust Gas Recirculation), SCR- (Selective Catalytic Reduction), DPF- (Diesel Particulate Filter) equipped engines.
- Can be used in CNG (Methane) engines.

### Features/Potential benefits

Adaptive Low-SAPS additive technology of **G-Profi MSJ 5W-30** combined with PAO usage provides high engine performance in all working conditions:

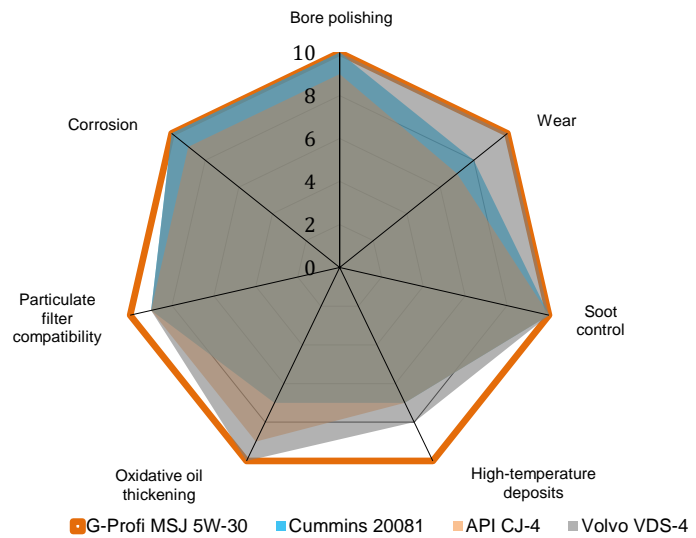
Features	Advantages/Potential benefits
Low-SAPS technology	Low Sulfur, Phosphorus, Ash content – extended life of Diesel Particulate Filters and catalytic converters
Energy conserving formulation	Fuel economy by reducing the friction – decreasing the fuel cost
Excellent low-temperature performance	Normal lubrication during winter cold starts – engine life preservation
Advanced thermo-oxidation stability and engine deposits control	Stable oil properties during whole drain interval – reduced maintenance cost
Enhanced wear protection	Effective wear protection of engine parts in all operating modes – reduced repair and maintenance costs

### Typical characteristics

Properties	Value	Method
Kinematic Viscosity, mm <sup>2</sup> /s:		
at 40 °C	69,7	ASTM D 445
at 100 °C	11,5	ASTM D 445
Viscosity Index	165	ASTM D 2270
Dynamic Viscosity (CCS) at -30 °C, mPa*s	6100	ASTM D 5293
Flash Point (COC), °C	226	ASTM D 92
Pour Point, °C	-42	ASTM D 97
Density at 15 °C, kg/m <sup>3</sup>	855	ASTM D 1298
Total Base Number, mg KOH/g	9,7	ASTM D 2896

**G-Profi MSJ 5W-30** is designed to satisfy and outperform the requirements of main equipment manufacturers:

- Cummins CES 20081
  - 25% better wear protection;
  - better thermo-oxidation stability;
- API CJ-4
  - 10% reduced cylinder bore wear;
  - better piston cleanliness;
- Volvo VDS-4
  - 10% better exhaust gas treatment systems compatibility;
  - 25% reduced high-temperature deposits;



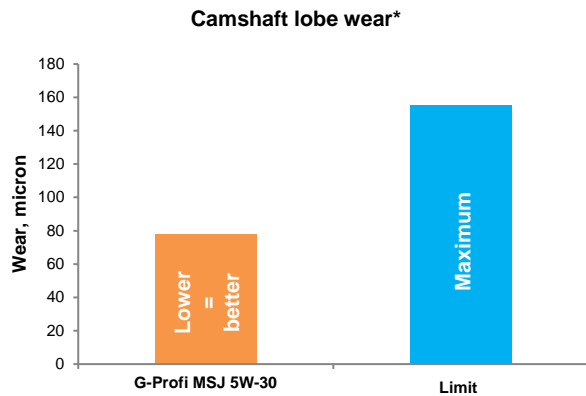
### Approvals

- MB-Approval 228.51
- Cummins CES 20081
- MAN M 3477/M 3677/M 3271-1
- Volvo VDS-4
- Renault Trucks RLD-3
- MACK EO-O PP

### Specifications

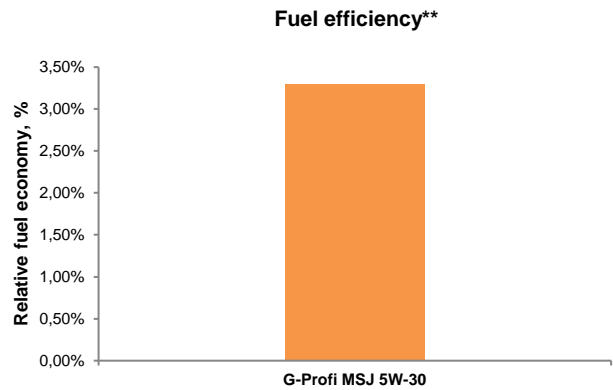
- API CJ-4/SN
- ACEA E6/E9/E7
- MTU Cat.3.1; MACK EO-N PP/EO-M Plus
- Voith Retarder Oil Class B; Caterpillar ECF-3
- Deutz DQC IV-LA; Volvo CNG; Volvo VDS-3
- Detroit Diesel DDC 93K218
- Renault Trucks RLD-2/RXD/RGD; JASO DH-2
- Product formulation meets Scania Low Ash, Scania LDF 4 requirements

**G-Profi MSJ 5W-30** outperforms the requirements of main specifications according to the tests:



Advanced wear protection of G-Profi MSJ 5W-30 provides reducing repair cost and engine life preservation

\* CEC L-099-08(OM646LA) test; \*\* Wear Mack T10 test



Energy conserving properties of G-Profi MSJ 5W-30 (compared with SAE 15W-40) provides lowering fuel expenses

### 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

