

## G-Profi MSJ 5W-30

Heavy Duty Diesel Engine Oil



Turbocharged engine



Euro 5, Euro 6



Improved low temperature performance



Fully synthetic (PAO blend)



Energy conserving



EGR Exhaust Gas Recirculation



SCR Selective Catalyst Reduction



DPF Diesel Particulate Filter

**G-Profi MSJ 5W-30** is heavy duty diesel engine oil that combines advanced engine protection for modern low emissions vehicles with fuel economy, engine durability, emissions system protection and extended drain capability. G-Profi MSJ 5W-30 designed for diesel-powered commercial vehicles for both on- and off-highway use in industries such as transportation, mining, construction and agriculture. G-Profi MSJ 5W-30 meets broad range of industry and manufacturer specifications from around the world

### Applications



- Naturally aspirated and turbo-charged diesel powered equipment made by European, American and Japanese manufacturers and where oil meeting ACEA E6 are called for
- Modern heavy-duty engines fitted with the latest exhaust emissions control systems including those fitted with DPF (Diesel Particulate Filter)
- On-highway light and heavy-duty trucking and off-highway modern equipment
- Compressed natural gas (CNG) fueled engines

Features	Advantages and Potential Benefits
Low ash, sulfur and phosphorous levels	Helps to protect exhaust systems devices like those fitted with DPF
Advanced formulation	Potential fuel economy improvement
Excellent low temperature properties	Excellent pumpability, oil circulation and start-up wear protection at low ambient temperatures
Excellent anti-wear properties and corrosion protection	Less wear and cleaner engine helps to promote long engine life
Outstanding protection against high temperature deposits	Provides capability for long drain intervals

### Meets the requirements

- API CJ-4/SN (licensed)
- ACEA E6/E7/E9
- Caterpillar ECF-3
- Detroit Diesel DDC 93K218
- Deutz DQC IV-LA
- JASO DH-2
- MACK EO-N PP/EO-M Plus
- MB 228.31
- MB 235.28
- MTU Cat. 3.1
- Renault Trucks RGD/ RLD-2/RXD
- Scania LDF-4/Low Ash
- Voith Retarder Oil Class B
- Volvo CNG

### Approvals

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

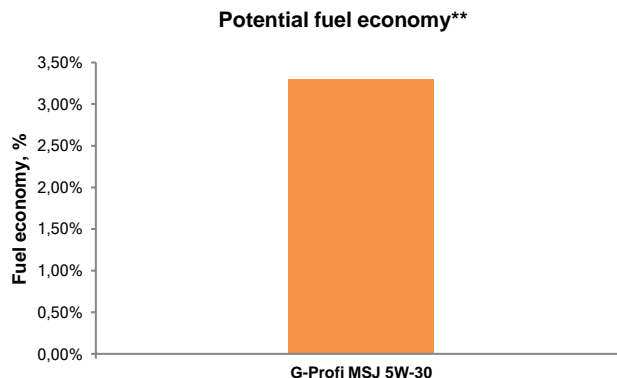
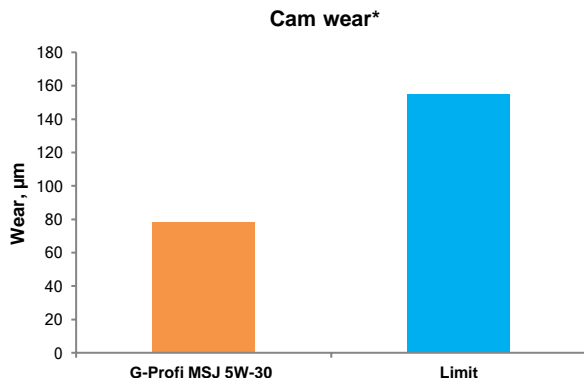
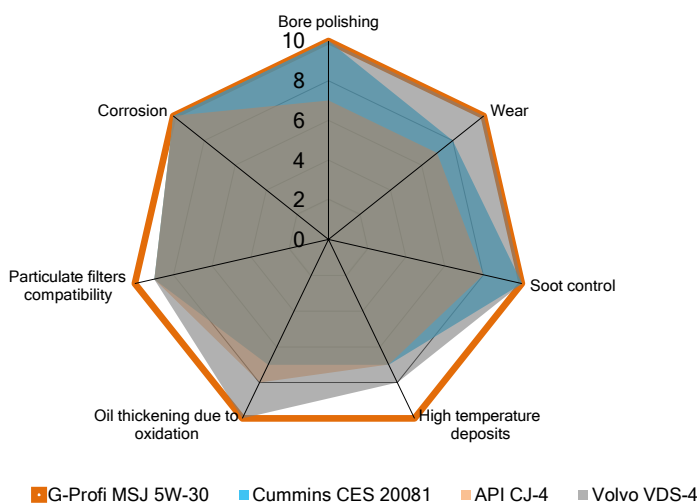
## Typical Characteristics

Properties	Method	G-Profi MSJ 5W-30
SAE Viscosity Grade	SAE J300	5W-30
Kinematic Viscosity @ 40°C, mm <sup>2</sup> /s	ASTM D445	67,6
Kinematic Viscosity @ 100°C, mm <sup>2</sup> /s	ASTM D445	11,5
Viscosity Index	ASTM D2270	165
CCS @-30°C, mPa·s	ASTM D5293	6100
Flash Point (COC), °C	ASTM D92	226
Pour Point, °C	ASTM D97	-42
Density @15°C, kg/m <sup>3</sup>	ASTM D4052	855
Total Base Number, mg KOH/g	ASTM D2896	10,0

**G-Profi MSJ 5W-30** engineered to meet or exceed the requirements of many leading industry and car manufacturers' standards.

**G-Profi MSJ 5W-30** outperform following standards:

- Cummins CES 20081
  - wear 25% lower
  - better oxidation stability
- API CJ-4
  - cylinder liner wear 10% lower
  - better piston cleanliness
- Volvo VDS-4
  - exhaust systems devices protection 10% better
  - lacquer deposits 25% lower



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

## 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.