

## G-Profi MSK 5W-30, 5W-40, 10W-30, 15W-40



Synthetic base oil  
(SAE 5W-30,  
5W-40, 15W-40)



Semi-synthetic  
base oil  
(SAE 10W-30)



Exhaust Gas  
Recirculation



Selective Catalytic  
Reduction



Diesel Particulate  
Filter



Mid-SAPS  
technology  
(SAE 5W-30,  
5W-40, 15W-40)



Low-SAPS technology  
(SAE 5W-30)



Euro-5,6

**G-Profi MSK 5W-30, 5W-40, 10W-30, 15W-40** are all-season synthetic (SAE 5W-30, 5W-40, 15W-40) and semi-synthetic (SAE 10W-30) based reduced SAPS (Sulphated ash, Phosphorus and Sulfur) engine oils. Designed for use in most modern Euro-5,6 and lower tier heavy-duty diesel engines of vehicles, produced by European, American, Asian manufacturers. Compatible with all modern emission reduction systems: EGR (Exhaust Gas Recirculation), SCR (Selective Catalytic Reduction), DPF (Diesel Particulate Filter). G-Profi MSK products have improved oxidation stability.

### Application



- For on-road (heavy duty trucks, buses, etc.) and off-road (agricultural, mining, construction, etc.) machinery produced by European, Asian, American manufacturers
- Modern low emission heavy-duty Euro-5 and 6 tier engines, requiring API CK-4, CJ-4 and/or ACEA E6/E9 (SAE 5W-30), ACEA E7/E9 (SAE 5W-40, 10W-30, 15W-40) level engine oils.
- Compatible with EGR- (Exhaust Gas Recirculation), SCR- (Selective Catalytic Reduction), DPF- (Diesel Particulate Filter) equipped engines.
- For maximal drain intervals fuel Sulfur content below 15 ppm is recommended.
- Can be used in some gas engines, requiring API CJ-4 class engine oils.

### Features/Potential benefits

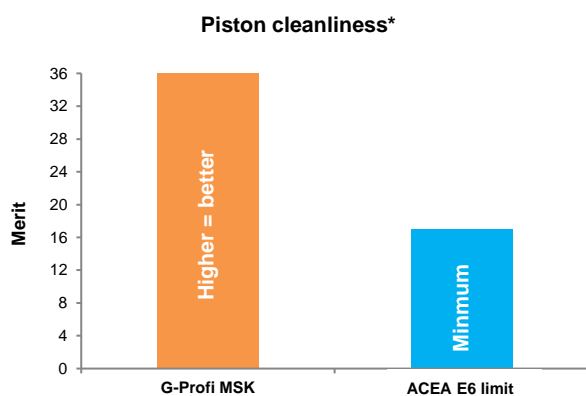
Adaptive reduced-SAPS additive technology of **G-Profi MSK 5W-30, 5W-40, 10W-30, 15W-40** provides high engine performance in all working conditions:

Features	Advantages/Potential benefits
Reduced-SAPS (Low-SAPS & Mid-SAPS) additive technology	Low Sulfur, Phosphorus, Ash content – extended life of Diesel Particulate Filters and catalytic converters
Advanced thermo-oxidation stability and engine deposits control	Stable oil properties during whole drain interval – reduced maintenance cost
Excellent wear protection	Effective wear protection of engine parts in all operating modes – extended engine life and reduced repair cost
Advanced soot control	Minimization of soot-induced oil thickening – preserving the engine efficiency
Enhanced detergency and dispersant activity	Engine deposits reduction and lowering the chance of piston ring sticking – lower risk of unexpected equipment failures
Better engine efficiency and reduced fuel consumption	Lower engine energy loss (from 1,1% for SAE 5W-30 and from 0,5% for SAE 10W-30) – reduced fuel expenses

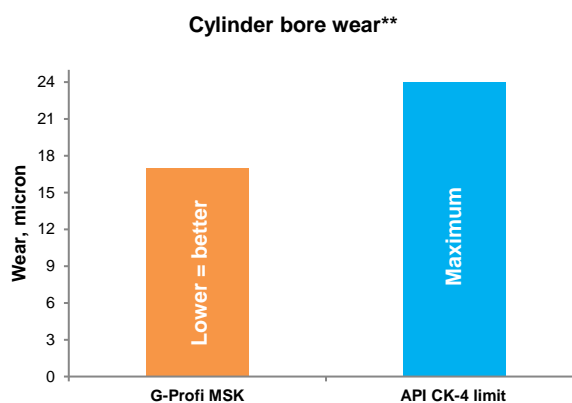
## Typical characteristics

Properties	Value				Method
	5W-30	5W-40	10W-30	15W-40	
Kinematic Viscosity, mm <sup>2</sup> /s: at 40 °C	74,6	89,1	82,8	112,7	ASTM D 445
at 100 °C	12,4	14,8	12,3	14,8	ASTM D 445
Viscosity Index	166	175	145	136	ASTM D 2270
Dynamic Viscosity (MRV), mPa*s: at -25 °C (SAE 15W-40)	-	-	-	18 000	ASTM D 5293
at -30 °C (SAE 10W-30)	-	-	21 300	-	
at -35 °C (SAE 5W-30, 5W-40)	20100	31400	-	-	
Flash Point (COC), °C	233	239	240	242	ASTM D 92
Pour Point, °C	-44	-43	-41	-37	ASTM D 97
Density at 15 °C, kg/m <sup>3</sup>	855	853	866	867	ASTM D 1298
Total Base Number, mg KOH/g	11,3	9,0	9,0	9,0	ASTM D 2896

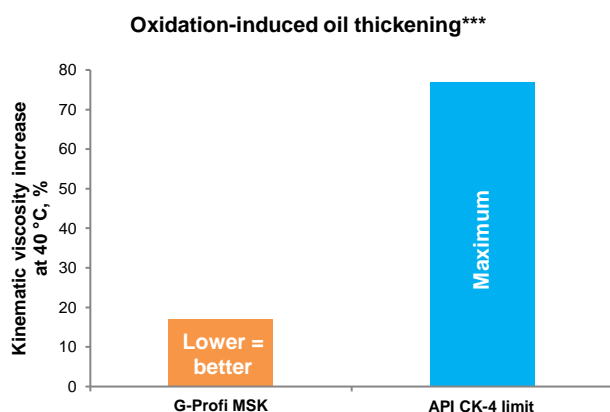
G-Profi MSK products are made to outperform the requirements of main specifications according to the tests:



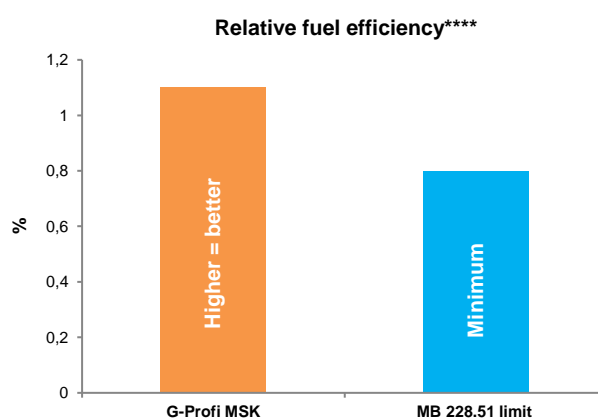
High detergency of G-Profi MSK provides advanced engine deposits control and lowering the chance of piston ring sticking.



Advanced wear protection of G-Profi MSK helps to preserve the engine life and reduce repair cost.



Advanced oxidation stability of G-Profi MSK provides decent oil properties level during whole drain interval.

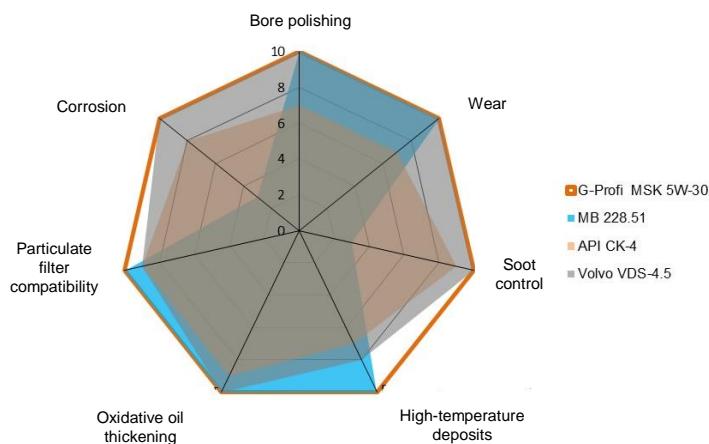


G-Profi MSK 5W-30 has improved fuel efficiency in comparison with SAE XXW-40 oils, reducing fuel and maintenance expenses.

\* OM501LA test; \*\* Mack T12 test; \*\*\* Volvo T-13 test; \*\*\*\* OM501 LA FE test

**G-Profi MSK** products are designed to satisfy and outperform the requirements of main equipment manufacturers:

- MB 228.51
  - 3 times better corrosion protection
  - 3 times better soot control
- API CK-4
  - 30% better wear protection
  - 30% better protection against cylinder bore polishing
- Volvo VDS-4.5
  - 20% better engine deposits control
  - 10% better DPF compatibility.



## Specifications

### 5W-30:

- API CK-4; API SN; ACEA E6/E9
- Cummins CES 20086; Detroit Diesel DDC 93K222
- JASO DH-2; Mack EO-S-4.5; MAN M 3677; MB 228.51
- Volvo VDS-4.5; Renault Trucks RLD-3; Scania LDF 4\*
- Caterpillar ECF-3

### 10W-30:

- API CK-4, CJ-4; ACEA E7/E9
- Cummins CES 20081/86; Caterpillar ECF-2, ECF-3
- Detroit Diesel DDC 93K218, 93K222
- Deutz DQC III-18LA; Ford WSS-M2C171-F1
- MACK EO-O PP; MACK EOS-4.5; MTU Cat. 2.1
- MB 228.31; MAN M 3575, M 3271-1, M 3775
- Renault Trucks RLD-3; Volvo VDS-4.5; Volvo VDS-4
- JASO DH-2

### 15W-40:

- API CK-4, CJ-4; API SN; ACEA E7/E9
- Cummins CES 20081/20086; Caterpillar ECF-2, ECF-3
- Detroit Diesel DDC 93K218, 93K222
- Deutz DQC III-18LA; MTU Cat. 2.1
- MACK EO-O PP, EOS-4.5; MB 228.31
- MAN M 3775, M 3575, M 3275-1
- Volvo VDS-4, VDS-4.5; Renault Trucks RLD-3
- Ford WSS-M2C171-F1; JASO DH-2; Allison TES-439

### 5W-40:

- API CK-4, CJ-4; API SN; ACEA E7/E9
- Cummins CES 20081/20086; Caterpillar ECF-2/3
- Deutz DQC III-18LA; Detroit Diesel DDC 93K218
- MB 228.31; MACK EOS-4.5, EO-O PP, EO-N
- MAN M 3775; Volvo VDS-3, VDS-4, VDS-4.5
- MTU Cat. 2.1; Renault Trucks RLD-2, RLD-3
- Ford WSS-M2C171-F1; JASO DH-2

\* Recommended by Gazpromneft-Lubricants for engines requiring of Scania LDF-3 performance level.

## 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 45001

