

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



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



Synthetic technologies (SAE 10W-30)



Exhaust Gas Recirculation



Selective Catalytic Reduction



Diesel Particulate Filter



Mid-SAPS technology



Euro-5,6

G-Profi MSK 5W-40, 10W-30, 15W-40 - all-season synthetic (SAE 5W-40, 15W-40) and based on synthetic technologies (SAE 10W-30) engine oils with reduced content of sulphated ash, phosphorus and sulfur. Designed for use in most modern Euro-5,6 and lower tier heavy-duty diesel engines of vehicles, produced by European, American, Asian manufacturers and equipped with various 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.) equipment produced by European, Asian, American manufacturers.
- For high-powered turbocharged Euro-5, Euro-6 tiers diesel engines, where API CK-4, CJ-4 or ACEA E7/E11 performance level is required.
- Intended for diesel engines equipped with EGR- (Exhaust Gas Recirculation), SCR- (Selective Catalytic Reduction), DPF- (Diesel Particulate Filter).
- For maximum drain intervals fuel Sulfur content below 15 ppm is recommended.
- Can be used in some gas engines, where API CJ-4 oil level is recommended.

Features/Potential benefits

Adaptive reduced-SAPS additive technology of **G-Profi MSK 5W-40, 10W-30, 15W-40** provides high engine performance at various operation modes

Features	Advantages/Potential benefits
Reduced-SAPS (Mid-SAPS technology)	Reduced Sulfur, Phosphorus, Ash content – extended service life of Diesel Particulate Filters
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 0,5% for SAE 10W-30) – reduced fuel expenses

Specifications

10W-30:

- API CK-4, CJ-4
- ACEA E7/E11
- 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
- DTFR 15C100 (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/E11
- 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
- DTFR 15C100 (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

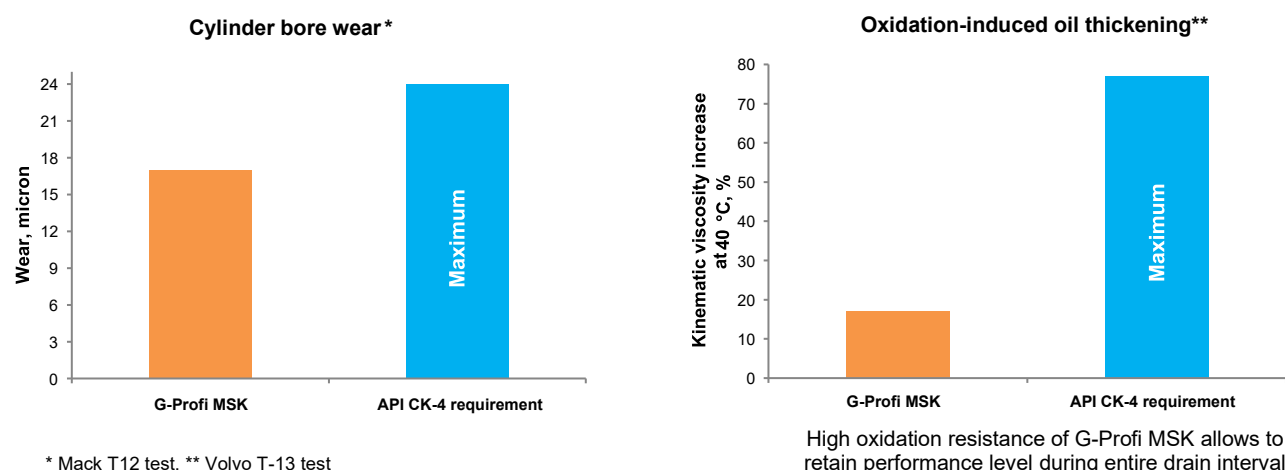
5W-40:

- API CK-4, CJ-4, API SN
- ACEA E7/E11
- Cummins CES 20081/20086
- Caterpillar ECF-2, ECF-3
- Deutz DQC III-18LA
- Detroit Diesel DDC 93K218
- DTFR 15C100 (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

Typical physical and chemical characteristics

Parameters	Value			Method
	5W-40	10W-30	15W-40	
Kinematic Viscosity @ 100 °C, mm ² /s	14,6	11,4	15,2	ASTM D445
Viscosity Index	174	143	145	GOST 25371
Dynamic Viscosity (CCS) @ -20 °C, mPa*s	-	-	5686	GOST 33155
Dynamic Viscosity (CCS) @ -25 °C, mPa*s	-	5786	-	GOST 33155
Dynamic Viscosity (CCS) @ -30 °C, mPa*s	5484	-	-	GOST 33155
Flash Point (COC), °C	236	239	248	GOST 4333
Pour Point, °C	-47	-42	-40	GOST 20287 B
Density at 15 °C, kg/m ³	854,1	860,9	865,0	GOST 57037
Total Base Number, mg KOH/g	10,3	11,2	10,9	GOST 30050
Sulphated Ash, % wt.	1,0	1,0	1,0	ISO 3987

Engine oils **G-Profi MSK** series exceed the requirements of main specifications according to the tests:



The company's management system is certified in accordance with international standards:

ISO 9001



ISO 14001



ISO 45001

