

G-Profi SGE Premium 40



Stationary gas engines



Low ash content



High antioxidation stability



Anti-sludge protection



Anti-wear protection



Corrosion protection



High quality mineral base oils (API Group II)

G-Profi SGE Premium 40 is an engine oil with high level of operation properties, developed for use in gas reciprocating engines of the last modifications, including those with steel pistons. The oil ensures excellent operation within the extended oil drain intervals and excellent stability to formation of deposits, as well as is capable to keep its performance properties at higher operating temperatures and loads than oils of the previous generations.

Application



- For stationary four-stroke gas reciprocating engines (stoichiometric, lean mixtures) of various manufacturers with aluminum and steel pistons.
- Engines running on natural or associated petroleum gases (running on biogas and landfill gas is possible after a technical consultation).
- For engines operating as a compressor and pump drive as part of cogeneration plants in various application fields.

Features/Potential benefits

Combination of base oil (API group II) with a low-ash additive package (Low-SAPS) allows oil G-Profi SGE Premium 40 to ensure efficient and continuous operation of gas reciprocating engines in different operation modes:

Features	Advantages/Potential benefits
High oxidation stability	Operational life of the oil is kept within a longer oil drain interval – reduction of procurement costs.
Excellent stability against deposits	Ensuring cylinder-piston group cleanliness – combustion engine overhaul life is longer
Low sulfate ash content	Reduction of risks of deposits in the combustion chambers and on the valves – prevention of unscheduled downtimes
Excellent anti-wear properties	Prevention of valve stroke - no engine power losses
Efficient corrosion protection	The oil ensures protection from rusting and corrosion of nonferrous metals – reduction of maintenance costs

Typical characteristics

Properties	Value	Method
Kinematic viscosity, mm ² /s at 40 °C	124,75	ASTM D 445
at 100 °C	13,77	ASTM D 445
Viscosity index	107	ASTM D 2270
Flash point (COC), °C	252	ASTM D 92
Pour point, °C	-22	ASTM D 97
Density at 15 °C, kg/m ³	876,2	ASTM D 4052
Total Base Number, mg KOH/g	7	ASTM D 2896
Sulfated ash, % wt.	0,5	ASTM D 874

Approvals

- Jenbacher TA 1000-1109 Type 6 H+K
- Jenbacher TA 1000-1109 Type 6 C,E,F,J
- Jenbacher TA 1000-1109 Type 4 A,B,C,D
- Jenbacher TA 1000-1109 Type 2+3

Specifications

- SAE 40
- Caterpillar G3500
- Caterpillar G3600
- Cummins QSK 91G/81G
- Cummins QSK 60G/19G
- MWM TR 0199-99-02105
- MTU 4000
- Waukesha VSG
- Waukesha VGF
- Waukesha VHP
- Waukesha APG

Engine oil **G-Profi SGE Premium 40** has improved performance properties as compared with the competitors:

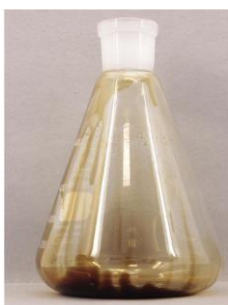
Antioxidation oil stability*



**G-Profi SGE
Premium 40**



Competitor 1

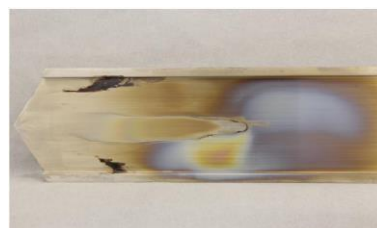


Competitor 2

G-Profi SGE Premium 40 has high resistance to oxidation, retaining performance properties throughout the entire drain interval.

Ageing Test (CEC L-48-A-95); **Panel Coker Test

Stability against formation of varnish deposits on steel plates **



G-Profi SGE Premium 40



Competitor 1



Competitor 2

G-Profi SGE Premium 40 ensures excellent cleanliness of working parts of the engine extending its overhaul life

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

ISO 9001



ISO 14001



ISO 45001

