



DIESEL ENGINE OILS



INDUSTRIAL GAS ENGINE OIL SAE 40

PRODUCT DESCRIPTION

Hi-Tec Industrial Gas Engine Oil SAE 40 is a low ash gas engine oil for use in stationary gas industrial engines operating under severe conditions with and without ebullient cooling. It can be used in 2 and 4 stroke engines.

Hi-Tec Industrial Gas Engine Oil SAE 40 has been proven in naturally aspirated and turbocharged gas engines running on natural gas in compression and co generative applications.

BENEFITS

Hi-Tec Industrial Gas Engine Oil SAE 40 is made using Group II base oils which have superior oxidative stability and resistance to nitration in comparison to Group I based gas engine oils.

Hi-Tec Industrial Gas Engine Oil SAE 40 delivers high deposit control, thermal oxidative stability, enhanced corrosion resistance and wear protection.

Hi-Tec Industrial Gas Engine Oil SAE 40 provides superior cleanliness (Grading of 96 out of 100 for the Panel Coker Test), enhanced protection against corrosion (Lead in High Temperature Cummins Bench Test @135 °C) and good wear protection (High Temperature Cameron Plint wear test).

These performance characteristics result in extended oil life and less frequent oil changes.

Field trials using **Hi-Tec Industrial Gas Engine Oil SAE 40** chemistry have shown excellent performance. Documented examples of performance include: a Caterpillar 3516 oil change interval extended from 1000 hours to 2170 hours, another Caterpillar-3516 1000 hours to 1500 hours; a Waukesha 7042 GSI engine had excellent deposit control and wear control on piston rings and cylinder liners, a Waukesha 7044GSI had extended oil change interval from 1500 hours to 2500 hours.

Hi-Tec Industrial Gas Engine Oil SAE 40 is specifically formulated for industrial gas engines. It is not an automotive oil and may not be suitable for automotive use.

Landfill or BIO gas applications may require special recommendations due to gas contamination with volatile organic compounds.

QUALIFICATIONS

Hi-Tec Industrial Gas Engine Oil SAE 40 meets the following specifications:

- Caterpillar 3500 and 3600 series engines
- Waukesha 7044/7042

It is recommended for use in the following stationary gas engines:

- Caterpillar
- Cooper-Bessemer (four stroke)
- Dresser-Rand (Clark, Ingersoll)
- Superior
- Waukesha

Always consult your vehicle owner's manual for the manufacturer's recommendations.



DIESEL ENGINE OILS

TYPICAL PROPERTIES

Property	ASTM Method	Results
SAE Viscosity	SAE J300	40
Density (kg/Lt) @ 15 °C	D-4052	0.882
Viscosity (cSt) @ 100 °C	D-445	14.9
@ 40 °C	D-445	136
Viscosity Index	D-2270	105
Sulphated Ash (% wt)	D-874	0.58
TBN (mg KOH/g)	D-2896	6.05
Calcium (% wt)		0.15
Zinc (% wt)		0.03
Phosphorus (% wt)		0.03