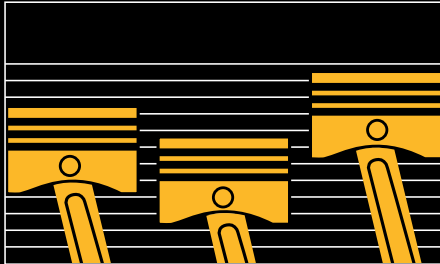


Natural Gas Engine Oil

SAE 30
SAE 40

For natural gas engines and other engines requiring low ash oil



Specifically formulated by Caterpillar for Caterpillar® natural gas engines, Cat® Natural Gas Engine Oil (NGEO) provides maximum engine life and performance.

Recommended use

Cat Natural Gas Engine Oil is recommended for use in all Caterpillar natural gas engines (spark ignited) that use dry processed gas not exceeding 0.15% H₂S. It can also be used in:

- other turbocharged and naturally-aspirated, medium-to-high speed, four-cycle gas engines requiring a low ash level product.
- other OEM engines permitting the use of an oil where low ash is preferred. Consult your OEM Engine Owners' Manual for specific lubrication requirements.

When sour gas (landfill or sewer gas) is used as engine fuel, a gas engine lubricant with higher reserve alkalinity may be required.

We can help you determine the right oil for your Cat engine, or you can refer to your "Operation and Maintenance Manual" or Service Publication SEBU6400 ("Caterpillar Gaseous Fueled Spark Ignited Engines Lubrication Specifications").

Typical Characteristics*

SAE Viscosity Grade	30	40
Gravity, °API (ASTM D286)	28.4	28.0
Flash Point, °C (ASTM D92)	238	248
Pour Point, °C (ASTM D97)	-15	-15
Viscosity,		
cSt @ 40°C (ASTM D445)	89.8	130.5
cSt @ 100°C (ASTM D445)	10.4	13.4
Viscosity Index (ASTM D567)	97	97
Sulfated Ash, % wt. (ASTM D874)	.45	.45
TBN (ASTM D2896)	4.8	4.8

* The values shown are typical values and should not be used as quality control parameters to either accept or reject product. Specifications are subject to change without notice.

Natural Gas Engine Oil

Unique formula for maximum performance and protection

Cat Natural Gas Engine Oil is made from the highest quality selected base stocks and additives to provide excellent oxidation, nitration, and thermal stability; reduced levels of carbon and sludge formation; improved piston cleanliness; and long oil and filter life. It also uses advanced additive technology to enable the use of a low ash level that exhibits high ash performance characteristics.

Cat NGEO protects vital engine components and helps your engine perform better. It provides maximum protection against:

- valve guide face and seat damage.
- piston scuffing, scoring, and piston/cylinder liner wear.
- foam and corrosion damage.
- piston carbon deposits.

Fluid analysis for early detection

We recommend protecting your investment by using scheduled fluid analysis. Our S-O-SSM analysis program is the ultimate detection and diagnostic tool for your equipment, helping you head off potential problems before they can lead to major failures and costly unscheduled downtime.

Proper use for health and safety

According to toxicology information, Cat Natural Gas Engine Oil has little or no adverse effects if handled and used properly. No special precautions are suggested beyond attending to good personal hygiene and avoiding prolonged, repeated skin contact. For more information, refer to the "Material Safety Data Sheet," SEFV1602.