

NGEO™ Advanced 40

For Natural Gas Engines Requiring Low-Ash Oil

SAE 40



Cat® NGEOTM Advanced 40 oil is designed to specifications that provide superior lubrication performance in low-emission, high-output, four-cycle engines using natural gas fuel. CAT NGEOTM Advanced 40 has been tested and approved by Caterpillar to meet the same high standards as Genuine Cat Parts.

Customer Benefits

- **Reduced Piston and Cylinder Wear**—Anti-oxidant and anti-nitration properties prevent deposit buildup to minimize scuffing, scoring, and wear.
- **Increased Spark Plug and Valve Life**—Excellent detergent and dispersant additives protect against deposits and damage.
- **Corrosion Protection**—Acid neutralizers protect parts from rust and copper corrosion.
- **Extended Drain Intervals**—Provides extended oil drain capabilities when using our S•O•SSM Service oil analysis program.
- **Comparable viscometric properties** as Cat NGEOTM EL 250 and EL 350. All are SAE 40 grade oils.



Recommended Uses

The oil may be used in engines that use high-sulfur gas, provided that shorter drain intervals are followed according to SOS trend analysis. N GEO Advanced 40 is formulated from select base stocks blended with special additives to provide:

- Excellent anti-oxidation/nitration properties
- Thermal stability
- Reduced carbon and sludge formation

Typical Characteristics*	
SAE Viscosity Grade	40
Gravity @ 16°C API (ASTM D287) Specific	34 0.855
Flash Point, °C (ASTM D92) Pour Point, °C (ASTM D97)	252 -30
Viscosity cST @ 40°C (ASTM D445) cST @ 100°C (ASTM D445) Viscosity Index (ASTM D 2270)	115 13 103
TBN, mg KOH/g (ASTM D2896) Sulfated Ash, % wt (ASTM D874) Phosphorous, % wt (Spectro or AA) Calcium, % wt (Spectro or AA)	6 0.50 0.030 0.136
* 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.	

Extended Oil Drain Intervals

Typical drain interval is similar to Cat N GEO EL350. When used in recommended engines, Cat N GEO Advanced 40 can extend oil change intervals over N GEO EL250 with the use of Cat Filters and S•O•SSM Services.

Health and Safety

Under normal conditions of intended use, this product does not pose a risk to health. Excessive exposure may result in eye, skin or respiratory irritation. Always observe good hygiene measures. Read and understand the Material Safety Data Sheet (MSDS) before using this product. For a copy of the MSDS, visit us on the web at www.catmsds.com.

CAT® DEALERS DEFINE WORLD-CLASS PRODUCT SUPPORT.

We offer you the right parts and service solutions, when and where you need them.

The Cat Dealer network of highly trained experts keeps your entire fleet up and running to maximize your equipment investment.

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