



NGEO 2000 LA

Low-Ash Oil for Natural Gas Engines

General Description

NGEO 2000 LA engine oils are specially formulated for use in 4-stroke stationary natural gas engines, and consist of select base oils and premier additives to meet older and new engine emission requirements.

Some engines, whether due to operating conditions, engine design or specific gases may accumulate deposits and develop high nitration/oxidation that may lead to shortened oil drains or engine life. NGEO 2000 LA oil is formulated with an outstanding additive system to better control carbon deposits, wear and nitration/oxidation. Additionally, proves to be a very effective oil in minimizing valve recession, resulting in longer head life over time.

Features and Benefits

- **Base Stock:** Blended with high quality paraffinic base oil. No Bright Stocks are used.
- **Deposit Control:** Oxidation inhibitors and detergents that control deposits minimize maintenance and maximize engine life.
- **Catalysis Compatible:** 2000 LA is formulated to be compatible with units using catalytic converters for emission control.
- **TBN Retention:** The superior detergents help neutralize acids and improved TBN retention that minimizes engine deposits and prolongs engine drain intervals.
- **Wear Control:** Provides improved wear control and increased protection of highly loaded engine parts.
- **Oil Pumpability:** SAE 15W-40 grade is used for service applications where equipment experiences extreme temperatures swings and low temperature starting conditions.

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Typical Applications

NGEO 2000 LA is a low-ash oil that is typically used in 4-stroke natural gas engines manufactured by: Caterpillar, Climax, Cooper Bessemer, Cooper- Enterprise, Dresser Rand, Dresser Worthington, Fairbanks- Morse, Superior, and Waukesha.

These engines are found on crude and gas transmission pipelines, electrical power and stand by generators, gas compressors and well drilling equipment.

Typical Customers

Owners/operators of:

- Natural gas or synthetic gas fueled stationary industrial engines.
- For heavy duty service in turbocharged, lean burn, and naturally aspirated 4-stroke engines.

Typical Properties

NGEO- 2000 LA Low-Ash			
SAE Grade	15W-40	30	40
API Gravity / lbs./gal.	30.6 / 7.27	29.9 / 7.30	29.1 / 7.34
Flash Point, °F	401	419	419
Viscosity cSt @ 40°C	107	98	139
Viscosity cSt @ 100°C	14.6	11.8	15.3
Viscosity Index	141	110	113
CCS Viscosity cP @ -20°C, typical	4,800		
Pour Point, max, °F / °C	-40 / -40	-15 / -27	-10 / -23
Total Base No. (TBN)	5.6	5.6	5.6
Sulfated Ash, %wt	0.46	0.46	0.46
Phosphorus, ppm Less than	300	300	300

The typical properties listed reflect the general characteristics of the product, and are not manufacturing specifications. Normal batch-to-batch variations should be expected.

Health & Safety

A complete safety data sheet is available by calling 1-651-355-8438 or visit cenex.com/sds-library.