



# Geotex<sup>®</sup> LA

## High performance natural gas engine lubricant

Product Data Sheet



### Customer benefits

#### Catalytic protection

Geotex LA is a low ash, low Total Base Number (TBN), formulation gas engine lubricant. Designed for high output naturally aspirated and turbocharged natural gas engines in stationary applications. Geotex LA contains low levels of zinc and phosphorus elements, making it suitable for use in engines equipped with catalytic exhaust systems.

#### Optimised engine performance

Geotex LA is designed for maximum compatibility with gas engine catalytic exhaust systems, and contains a maximum of 280ppm phosphorus and 300ppm zinc. Geotex LA contains advanced additive technologies designed to deliver complete protection against engine wear, harmful deposit formations, scuffing, oil oxidation and nitration, in high output natural gas engines. This highly robust lubricant offers a very long service period, and maximises engine life.

### Applications

- Recommended for naturally aspirated and turbocharged gas engines in stationary applications, running on sweet or dry natural gas.
- Recommended for natural gas engines with catalytic exhaust systems.

### Approvals and performance

#### Performance

- Geotex LA meets the performance requirements of API CD and Dresser-rand Category III
- Geotex LA meets the requirements of Caterpillar and has been successfully field tested in Caterpillar 3500 series natural gas engines for over 6000 hours.
- Geotex LA also meets the requirements of the following manufacturers for gas engines fuelled by natural gas:
  - Waukesha and Mirrlees

### Product features:

Geotex LA's progressive additive technologies deliver high-level wear protection and optimum engine cleanliness to high output natural gas engines, maximising engine life.

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## Approvals

|                                 |   |
|---------------------------------|---|
| • Deutz Power Systems           | TI-0199-99-2105 issue 5                                 |
| • GE Jenbacher                  | TI-1000-1107  |
| • MAN B&W                       | Natural gas applications                                |
| • MDE Dezentrale Energiesysteme | 28xx and 30xx engines on NG and propane gas             |
| • MTU                           | Type 1  |
| • Perkins Natural Gas           |   |
| • Rolls Royce Bergen            | KV-G1, KV-G2 and KV-G3 engines on natural gas           |
| • Wärtsilä                      | 25SG, 28SG, 34SG, 220SG and 32DF engines on natural gas |

## Product specifications

| GEOTEX LA                                   |              |         |
|---|--------------|---------|
| TYPICAL DATA                                |              |         |
| TEST  | TEST METHODS | RESULTS |
| Viscosity Grade                             |              | 40      |
| Density, 15 °C, kg/l                        | ASTM D4052   | 0.90    |
| Visc, Kinematic, 40 °C, mm <sup>2</sup> /s  | ISO 3104     | 125.3   |
| Visc, Kinematic, 100 °C, mm <sup>2</sup> /s | ISO 3104     | 13.2    |
| Viscosity Index                             | ISO 2909     | 99      |
| Pour Point, °C                              | ISO 3016     | -24     |
| Flash Point COC, °C                         | ISO 2592     | 244     |
| Total Base Number, mg KOH/g                 | ISO 3771     | 5.2     |
| Sulphated Ash, %wt                          | ASTM D0874   | 0.45    |

The information given in the typical data does not constitute a specification but is an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved. This supersedes all previous editions and information contained in them.

**Disclaimer** Chevron accepts no liability for any loss or damage suffered as a result of using this product for any application other than applications specifically stated in any Product Data Sheet's.

**Health, safety, storage and environmental** Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application and in accordance with the recommendations provided in the Material Safety Data Sheet (MSDS). MSDS's are available upon request through your local sales office, or via the Internet. This product should not be used for purposes other than its intended use. When disposing of used product, take care to protect the environment and follow local legislation.

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