

# SPX ENDURANCE LOW ASH GEO

## PREMIUM LOW ASH STATIONARY GAS ENGINE OIL

SPX Endurance Low Ash GEO is a premium quality, low-ash, dispersant-detergent gas engine oil for use in high-output 4-stroke cycle natural gas engines operating under heavy loads and extreme temperatures. Engines operating in this type of service typically are found on crude oil and gas transmission pipelines, electrical power generators, gas compressors, irrigation water pumps, and well drilling rigs. SPX Endurance Low Ash GEO is formulated with high quality Group II base stocks and field proven additive technology developed to meet the lubrication demands of modern, fuel-efficient, low-emission gas engines. The formulation protects against ring and liner wear and valve stem deposits as well as valve recession, resulting in reduced maintenance and extended engine life. The additive package has a low phosphorus content to meet the requirements for gas engines equipped with exhaust after-treatment systems.

### Advantages

- Field-proven performance in providing outstanding engine cleanliness
- Low-ash formulation helps protect against valve stem deposits and valve recession
- High dispersancy protects against sludge and varnish formation
- Excellent resistance to oxidation and nitration
- Premium protection against scuffing and wear
- Premium protection against rust and corrosion
- Compatible with emissions system catalysts
- Does not contain any bright stock, which can cause harmful carbon deposits

### Applications

- Turbocharged, lean burn and naturally aspirated 4-stroke cycle natural gas engines where the manufacturer specifies a low-ash gas engine oil meeting API CF performance requirements
- Some gas engines burning landfill gas containing minimal levels of hydrogen sulfide

SPX Endurance Low Ash GEO is recommended for use in natural gas engines manufactured by:

- Caterpillar
- Cummins
- Dresser Rand
- Guascor
- Jenbacher
- MAN Diesel & Turbo 4T
- MTU
- MWM
- Niigata
- Wartsila 4T
- Waukesha



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Web: [www.pilotthomas.com](http://www.pilotthomas.com)  
Email: [ptl.orders@pilotthomas.com](mailto:ptl.orders@pilotthomas.com)  
Tel: 844.785.8326



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## TYPICAL PROPERTIES

<b>SAE Grade</b>	<b>40</b>
Specific Gravity @ 60°F	0.874
Density, lbs/gal @ 60°F	7.29
Color, ASTM D1500	5.0
Flash Point (COC), °C (°F)	238(460)
Pour Point, °C (°F)	-27(-17)
Viscosity	
cSt @ 40°C	121
cSt @ 100°C	14.0
Viscosity Index	115
Cold Cranking Viscosity, cP @ (°C)	-
Sulfated Ash, ASTM D874, wt%	0.50
Total Base Number (TBN), ASTM D2896	5.8
Phosphorus, wt%	0.029
Zinc, wt%	0.030

Minor variations in typical properties data are to be expected in normal manufacturing.

### Health & Safety Information

For recommendations on safe handling and use of this product, please refer to the Safety Data Sheet (SDS).



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