

# SPX ENDURANCE XD LOW ASH GEO

SUPERIOR LOW ASH STATIONARY GAS ENGINE OIL FOR EXTENDED DRAIN INTERVALS

SPX Endurance XD 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 severe service conditions. It is recommended for use in stoichiometric and lean-burn gas engines fueled by natural gas or LPG, which typically are found on crude oil and gas transmission pipelines, electrical power generators, gas compressors, irrigation water pumps, and well drilling rigs. SPX Endurance XD 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 has a well-balanced alkaline reserve (TBN) to neutralize acids over long service intervals. It 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. The use of high quality, low volatility base stocks helps reduce oil consumption, minimize exhaust system deposits and reduce the amount of make-up oil needed.

## Advantages

- Proven extended-drain capability for lower maintenance costs and maximum productivity
- 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
- Superior protection against scuffing and wear
- Superior 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 robust low-ash gas engine oil meeting API CF performance requirements
- Some gas engines burning landfill gas containing minimal levels of hydrogen sulfide

SPX Endurance XD 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



# SPX ENDURANCE XD LOW ASH GEO

## TYPICAL PROPERTIES

SAE Grade	40
Specific Gravity @ 60°F	0.877
Density, lbs/gal @ 60°F	7.32
Color, ASTM D1500	5.0
Flash Point (COC), °C (°F)	244(471)
Pour Point, °C (°F)	-21(-6)
Viscosity	
cSt @ 40°C	121
cSt @ 100°C	14.1
Viscosity Index	115
Cold Cranking Viscosity, cP @ (°C)	-
Sulfated Ash, ASTM D874, wt%	0.52
Total Base Number (TBN), ASTM D2896	6.5
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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