



SPX LOW ASH GEO

LOW ASH STATIONARY GAS ENGINE OIL

SPX 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 Low Ash GEO is formulated 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.

Features & Benefits

- 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
 - Protects against scuffing and wear
 - Protects against rust and corrosion
 - Compatible with emissions system catalysts
 - Does not contain any bright stock, which can cause harmful carbon deposits
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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 CD performance requirements
- Some gas engines burning landfill gas containing minimal levels of hydrogen sulfide

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

- Caterpillar
 - Climax
 - Colt-Fairbanks Morse
 - Dresser Rand (Category I, II)
 - Minneapolis-Moline
 - Nordberg
 - Ruston
 - Superior
 - Wartsila
 - Waukesha
 - Worthington
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TYPICAL PROPERTIES

SAE Grade	30	40	15W-40
Specific Gravity @ 60°F	0.877	0.879	0.873
Density, lbs/gal @ 60°F	7.30	7.32	7.27
Color, ASTM D1500	6.5	7.0	7.0
Flash Point (COC), °C (°F)	254(489)	275(527)	240(464)
Pour Point, °C (°F)	-36(-33)	-35(-31)	-39(-38)
Viscosity			
cSt @ 40°C	94.0	131	108
cSt @ 100°C	10.7	13.7	14.6
Viscosity Index	97	100	139
Cold Cranking Viscosity, cP @ (°C)	-	-	6000(-20)
Sulfated Ash, ASTM D874, wt%	0.45	0.45	0.45
Total Base Number (TBN), ASTM D2896	4.2	4.2	4.2
Phosphorus, wt%	0.028	0.028	0.028
Zinc, wt%	0.032	0.032	0.032

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).