



Royal Geoguard 550 Low - Ash

Low - Ash Gas Engine Oil

Royal Geoguard 550 represents a premium line of lubricants formulated for the crankcase, the power and compressor cylinders of spark-ignited, two cycle and four cycle gas-fueled engines. These oils provide maximum resistance to oxidation and corrosion while providing excellent anti-wear performance. The full range of viscosity grades enables the user to select a lubricant that best combines the performance and economy for each engine style, fuel quality as well as the severity of its service. This low-ash oil combines the effective dispersant/detergent package with oxidation and corrosion inhibitors, anti-foam additives as well as anti-wear agents making it suitable for use in the engines of the major equipment manufacturers. This unique formulation is recommended for use in both the naturally aspirated and turbo charged two and four cycle engines.

The superior level of cleanliness along with the other advantages makes the **Royal Geoguard 550** the best choice for the leaner spark-ignited engines that require the low to mid ash oils.

KEY FEATURES:

- Uses high viscosity group II base oils with low carbon residues to lessen the formation of carbon and varnish.
- Minimizes the oxidation of the oil thus extending its engine life and wear
- Higher alkalinity reduces combustion acids created from sour gas

CUSTOMER BENEFITS:

- Low maintenance costs and long engine life.
- Controls deposits and minimizes wear of pistons, rings, liner scuffing, and wear.
- Increased resistance to oil nitration and oxidation inhibits oxidation and nitration leading to longer oil service life and reduced maintenance.
- Compatible with engines equipped with catalytic converters, NCSR emission reduction system.

APPLICATIONS:

Recommended for four cycle engines: (High and Medium Speed)

Caterpillar
Cooper-Bessemer
CumminsDeutz
Dresser-Rand: Categories I, II, & III
GE JenbacherSuperior
Waukesha

Two cycle engines: (Selected models only-see OEM requirements)

Ajax
Clark (Dresser Industries)
Fairbanks-Morse/MEP
Worthington



Product Data Sheet



Typical Properties

Royal Geoguard 550			
PRODUCT NUMBER	158	159	Test Method
SAE GRADE	40	15W40	
Viscosity @ 40C, cSt	134	97.08	
Viscosity @ 100C, cSt	13.43	14.08	
Viscosity @ 100F, SUS	706	536	ASTM D 445
Viscosity @ 210F, SUS	73	73	
Viscosity Index	104	148	ASTM D2270
Flash Point, C	256	216	ASTM D92
Pour Point, C	-27	-30	ASTM D97
Sulfated Ash, % Weight	0.50	0.50	
Zinc, % Weight	0.0344	0.0344	
Phosphorus, % Weight	0.025	0.025	
Calcium, % Weight	0.12	0.12	
Nitrogen, % Weight	0.098	0.098	
Base Number	4.9	4.9	
API Gravity	28.90	30.71	
API Service	CD/CF	CD/CF	

Typical Properties are typical of those obtained with normal production tolerance and do not constitute essentially a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice.

Health and Safety: When used for its intended application, this product is not expected to have any adverse health implications. For complete information on safe handling, as well as physical and chemical characteristics please refer to the Safety Data Sheet (SDS) found on our website, www.royalmfg.com, or call 918-584-2671. Do not use this product for purposes other than its intended use. Please be responsible to the environment when disposing of used product.

Packaging: Totes & Drums

