



Geoguard 100 Ashless

Ashless Natural Gas Engine Oil

Geoguard 100 Ashless are a premium line of gas engine oils 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 maintaining excellent anti-wear properties. The full range of viscosity grades enables the user to select a lubricant that best combines the performance and economy for each engine type, fuel quality and severity of service.

Geoguard 100 Ashless combines an ashless dispersant/detergent package with oxidation and corrosion inhibitors, anti-foam agents as well as anti-wear additives making them suitable for use in the engines of major equipment manufacturers. This ashless formulation is recommended for use in ashless chemistry where the prevention of intake and exhaust deposits is critical. The reduced carbon and ash deposits make the Royal Geoguard 100 Engine Oils the best choice for universal ashless gas engine oils in a wide variety of high and low speed engines.

Product Features:

- Ashless nature of the oil minimizes spark plug deposits, increasing the life of the spark plug.
- Effective detergent package enhances piston ring cleaning thus increasing engine service life
- Increases service life of engine and lengthens overhaul periods

Customer Benefits:

- Use high viscosity base stocks with low carbon residues to lessen formation of carbon and varnish while maximizing the oxidation life of the oil
- Protects against ring belt and port deposits in two cycle engines
- Increased resistance to oil nitration and oxidation
- Greatly reduces poisoning of catalyst exchange systems
- 15W40 grade oil provides improved lubrications and oil flow at low temperatures



Typical Properties

Geoguard 100 Ashless					
Product Number	186	187	188	189	Test Method
SAE Grade	30	40	10W30	15W40	-
API	32.42	31.30	31.44	28.97	-
Specific Gravity	0.8632	0.8691	0.8684	0.8817	-
Lbs/Gal	7.189	7.239	7.232	7.343	-
Density	0.8627	0.8686	0.8679	0.8812	-
Flash Point °C	200	195	199	224	ASTM D92
Pour Point °C	-24	-27	-24	-24	ASTM D97
Color	<4.0	<4.0	<4.0	<4.0	ASTM D1500
Viscosity					
@100°C cSt	10.35	10.50	14.30	17.44	ASTM D445
@40°C cSt	603.36	65	94.97	156	
Viscosity Index	164	142	155	122	-

These properties are typical of the current production. Variations that do not affect product performance are to be expected depending on blending and manufacturing locations. The information above is subject to change without notice.

Health and Safety:

This product is unlikely to have any adverse health implications or safety hazards when used for its intended application. Avoid contact with skin, use resistant gloves when handling used oil. If skin comes in contact wash immediately with soap and water. For complete information on safe handling and product characteristics please refer to the Safety Data Sheet (SDS) found on our website. www.royalmfg.com or call (918)-584-2671.

Packaging options:



5 Gal Pails



55 Gal Drums



275/330 Gal Totes



>2000 Gal Bulk