

ROYAL OIL CO.

SPECIALTY LUBRICANTS

ROYAL DUAL-GARD 12

Diesel Fuel Additive

Improves Thermal Stability

Improves Lubricity

Clean Run Technology

Revitalizes Power

Stabilizes Storage

Bio-qualified

"It is critical that a fuel additive be tested and have the necessary additive packages to provide all that is needed for today's ever evolving diesel fuel industry. Trust in bio-qualified performance of ROYAL DUAL-GARD 12."



Bio-blended diesel fuel is the standard today. In fact, B5 or 5% bio-diesel/95% ULSD, is the most common fuel being delivered to diesel fuel users. The 5% bio-diesel is added to the fuel as a lubricity modifier. The US currently allows more wear from diesel fuel than most other modern countries in the world. The HFRR (High Frequency Reciprocating Rig) Test is designed to measure the wear allowed by diesel fuel. The acceptable wear level in the US is 520 Microns. While all untreated fuel samples vary, lowering the HFRR rate down to 350 to 375 microns with ROYAL DUAL-GARD 12 is expected, thus reducing friction, temperatures, and overall wear. ROYAL DUAL-GARD 12 not only has the ability to stabilize fuel and provide a more complete burn, it also helps to eliminate deposits.

ROYAL DUAL-GARD 12

Product Specifications

Color	Amber
API Gravity	34.0
Viscosity @ 100°F. SUS, Typical	32
Flash Point, °F.	175
Rust Inhibitor	Present
Oxidation Inhibitor	Present

Diesel, Kerosene, Home Heating Oil

Initial Treatment	1 qt. per 100 gal. of fuel	1 oz. treats 3 gallons
Continued Treatment	1 qt. per 250-500 gal. of fuel	1 oz. treats 7 gallons
Storage Tank Treatment	1 gal. per 1000-2000 gallons of fuel	1 oz. treats 7 gallons of fuel

Gasoline

Initial Treatment	1 pt. per 100 gal. of fuel	1 oz. treats 6 gallons
Continued Treatment	1 pt. per 250-500 of fuel	1 oz. treats 15 gallons of fuel
Storage Tank Treatment	1/2 gal. per 1000-2000 of fuel	1 oz. treats 15 gallons

Sharing lubricant knowledge and delivering the highest quality products, two

Family owned and operated since 1926.



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