

## 403 Protect-O-Lube® Plus

### Fuel Stabilizer Concentrate

**Description:** A modern fuel stabilizer concentrate, Protect-O-Lube Plus is recommended for use in diesel fuel\* or gasoline engines to increase performance, reduce downtime, clean and lubricate critical engine parts, neutralize the harmful effects of engine acids, remove carbon, gum, sludge, and varnish from valves, cylinders, pistons, fuel injectors, carburetors and all interior surfaces of an internal combustion engine.

**Composition:** Protect-O-Lube Plus is blended from carefully selected prime "heart-cut" neutrals, conditioners, acid neutralizers, moisture absorbing agents, friction release compounds and pure mineral base top oils.

It also contains:

Rust Inhibitors  
Oxidation Inhibitors  
Oiliness Additives  
Corrosion Inhibitors

Foam Inhibitors  
Dispersant Additives  
Cleaning Additives  
Oxygenated Solvents

**Performance Characteristics:**

- Neutralizes Acidic Combustion By Products
- Improves Combustion and Fuel Economy
- Reduces Fuel Waste and Emissions
- Neutralizes All Harmful Engine Acids
- Increases RPMs
- Reduces Frictional Drag
- Eliminates Piston Ring Sticking and Scoring
- Eliminates Sticking Valves
- Cleans and Lubricates Fuel Injectors and Carburetors
- Eliminates Carbon, Varnish and Sludge

**Uses:** Protect-O-Lube Plus is recommended for use in diesel\*, gasoline of all grades including ethanol blended gasoline and kerosene fuels, to neutralize the corrosive effects of engine acids created during combustion from sulfur contained in the fuel. It also absorbs moisture, prevents icing and stalling, removes carbon, gum, sludge and varnish deposits, improves combustion, cleans injectors and carburetors, lubricates top rings, frees sluggish valves, improves ring flexing, improves performance and reduces downtime and maintenance costs. Protect-O-Lube Plus is also excellent in compressor oil to free carbon encrusted valves.



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This diesel fuel additive does not comply with federal ultra-low sulfur content requirements for use in model year 2007 and newer diesel motor vehicles or model year 2011 and newer diesel nonroad equipment engines.

Protect-O-Lube Plus can also be used to free frozen bolts and nuts, or applied as a superior rust preventative on weapons, fishing tackle, farm implements, fertilizer storage and application equipment and similar uses to prevent oxidation and corrosion.

**Applications:**

Gasoline Engines	Industrial Engines
Diesel Engines	Compressors
Marine Engines	Furnace Oil Burners

**Treatment Rates:** Protect-O-Lube Plus is recommended for optimum overall performance at a concentrated treat rate of 1:300. However, a treat rate of 1:100 may be used to achieve faster cleanup for engines with excessive carbon and sludge. Treat rates as low as 1:1000 provide sufficient keep-clean performance as a maintenance dose.

**Additional Information:** For additional information, see *Ethanol Water & Protect-O-Lube Plus* or *Premium Select for Ethanol Blended Gasoline* technical bulletin

**Typical Specifications:**

Flash Point, (COC), Open Flame	102°F
Copper Strip Corrosion	Pass – Class 1
Carbon Residue	.008%
Pour Point	-80°F
Color	Orange
Viscosity SUS @ 100°F	30
Moisture Test	Excellent
Density (#/gal)	7.3–7.5
Humidity Test	Pass
Acid Test	Excellent
Varnish & Gum Test	Excellent