

Pivot Guard
Semi-Fluid Gear Lubricant
No. 1150

ISO: 1000

DESCRIPTION:

Pivot Guard Gear Oil is designed for use in both pivot and linear sprinkler worm drive boxes. It has heavy paraffin base oils and a proprietary synthetic polymer to both slow water intrusion and to separate completely from any entrained water. **Pivot Guard** contains special extreme pressure and anti-wear additives specifically designed for the sliding contact of gear teeth. The use of **Pivot guard** will significantly reduce maintenance costs associated with topping off of gearboxes which have damaged seals and or cases.

Pivot Guard is a long life adhesive/cohesive gear oil designed for use in pivot drive gear boxes. **Pivot Guard** is a very high viscosity fluid. This combined with the latest technology in anti-wear, extreme pressure, rust and corrosion protection and high viscosity index hydro-processed group II base oils make **Pivot Guard** an extremely sheer stable, water resistant gear lubricant.

The outstanding rust and corrosion protection contained in **Pivot Guard** makes it ideally suited for gears and bearings exposed to high moisture levels.

FEATURES:

Frontier's exclusive **ETX** additive system makes this product particularly resistant to fretting, corrosion and micro pitting and protects the gears from surge and shock loading, vibration, and damage from reversing gears or slight misalignment. **ETX** forms a unique film on the metal surfaces reducing friction and asperity contact. **ETX** contains an exclusive polar additive that will maintain an oil presence on gears and bearings during idle conditions or in low RPM applications. **Pivot Guard** is specifically formulated to provide maximum, long lasting protection to bearings, bushings, sliding surfaces and other areas exposed to severe conditions of pounding, moisture contamination, or heavy loads.

Pivot Guard has a proprietary polymer package combined with High Viscosity Index Hydro-processed group II base oil and compounded with specialized additives including:

Stabilizing Agents	Extreme Pressure Additives
Polar additives	Oxidation Inhibitors
Anti-Wear Agents	Rust and Corrosion Inhibitors
Adhesive/Cohesive Additives	

TYPICAL APPLICATIONS:

Pivot Guard was designed specifically for use in the drive gear boxes of pivot and linear sprinkler systems. To obtain the full benefits of **Pivot Guard Gear Oil** thoroughly clean and drain the pivot gear case unit of the old fluid. This will prevent contamination from the old oil and optimize performance.

TYPICAL SPECIFICATIONS:

Typical Specification	ASTM Specification	Pivot Guard ISO 1000 EP Gear Oil
AGMA Specification No.		8 A
ISO VG Grade		1000
Viscosity @ 40°C, cSt	D-445	1000
Viscosity @ 100°C, cSt	D-445	50.6
Viscosity Index (Typical)	D-2270	159
Flash Point, COC °F (°C)	D-92	590 (310 °C)
Fire Point, COC °F (°C)	D-92	645 (340 °C)
Pour Point, °F	D-97	+10
Rust Inhibition	D-665	Pass
Copper Corrosion, 3 hrs. @100°C	D-130	1b
Timken OK Load, Lbs.	D-2782	65lb./29.5 kg/
FZG Test, Load Stages Passed	D-5182	12+
4 Ball EP Weld Load, kg.	D-2783	315
4 Ball Wear Test, 40 kg Load.,1800 RPM, 75°C, 1 hour, Average Wear Scar, mm	D-2783	0.53

Values shown here are typical, and may vary.