

Hub Oil EP

Gear Lubricant with Low Solids

No. 1151

DESCRIPTION:

Frontier Hub Oil EP Lubricant is a high-performance gear oil containing low solids, specifically engineered for trailer wheel-ends and steer axles operating in a wide range of conditions.

FEATURES:

Hub Oil EP is manufactured using Group II+ base oil, extreme pressure additives, rust and oxidation inhibitors and a special combination of friction reducing agents. **Hub Oil EP** is formulated to perform in demanding conditions of high loads and high temperatures. The Group II+ base oil has excellent high temperature stability (375°F). In addition, the high viscosity index (VI) of the base oil allows for excellent flow properties at low temperatures allowing it to operate at temperatures as low as -50°F. **Hub Oil EP** contains:

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

TYPICAL APPLICATIONS:

Trailer lubrication — Frontier **Hub Oil EP** Lubricant is recommended for use in trailer axles. It flows smoothly and evenly at temperatures as low as -50°F and continues to lubricate efficiently at temperatures up to 375°F. It provides many advantages in trailer axle lubrication, compared to conventional fluids, such as

- Excellent low temperature properties (i.e. lower starting torque).
- Oxidation resistance at high temperatures.
- Excellent anti-wear/low friction performance throughout the operating temperature range.
- Blue color to more easily identify leaks
- Extreme pressure additives
- Seal conditioners

SUMMARY

Frontier Hub Oil EP is a preventive maintenance product. Gear oil used in hubs is overworked and often neglected. **Hub Oil EP** is formulated to dry up most seal leaks and extend seal and bearing life. It allows hubs to run cooler, with less wear, and operate on a marginal amount of oil in case of a blown or leaking seal, or prolonged maintenance schedules.

TYPICAL SPECIFICATIONS:

Typical Specification	ASTM Specification	ISO 680 EP
AGMA No.		8
ISO VG Grade		680
Viscosity @ 40°C, cSt	D-445	683
Viscosity @ 100°C, cSt	D-445	38
Viscosity Index	D-2270	158
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.