

## 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.