

TECH DATA

TRAXON™ 85W-140

GEAR OIL

INTRODUCTION

TRAXON 85W-140 is a multi-grade gear oil formulated for use in high temperature operating conditions, where a GL-5 SAE 140 oil is called for, to provide excellent long-lasting wear protection to extend equipment life and reduce downtime and maintenance costs.

TRAXON is formulated with high quality, ultra-pure base oils and top tier specialty additives so that TRAXON gear oil delivers maximum performance.

FEATURES AND BENEFITS

EXCELLENT WEAR PROTECTION

Outstanding shear stability and anti-wear EP additives protect equipment in tough, high-load, high operating temperature conditions for extended equipment life and reduced maintenance costs.

- Shear stability ensures retention of viscosity which protects equipment components against metal-to-metal contact and wear, especially at high temperatures.
- Provides superior protection against gear tooth spalling where flakes of metal break away from the surface of a gear tooth after repeated stress.

LONG LIFE

TRAXON's long life translates into helping to reduce maintenance costs and increase uptime.

- Extends intervals between changeouts up to 400,000 km (250,000 miles)* for maximized oil life.
- Minimizes sludge, varnish or hard carbon deposits for better protection against wear.

INDUSTRY & OEM APPROVALS

TRAXON 85W-140 is approved against the SAE J2360 Global Standard (formerly US MIL-PRF- 2105E). This means customers around the world can be assured of a measurable and recognized quality of performance for their lubricants.

TRAXON 85W-140 meets API Gear Lubricant Service GL-5 and API MT-1 Gear Lubricant standard for heavy duty manual transmissions.

TRAXON 85W-140 is approved by Mack where a GO-J gear oil is specified. It is listed by ZF as TE-ML lubricant class 05A, 12M, 16D and 21A (ZF000778, ZF003390 and ZF011057) approved. TRAXON 85W-140 also meets the Meritor O-94 specification and is suitable for use for Scania 1:0 requirements for axles as well as for Volvo 1273,21 (97321).

*based on highway, normal operation which must be reduced for severe service, vocational and/or off-road type applications.

Petro-Canada Lubricants specialty fluids, lubricants and greases have an advantage in quality and performance. That's because our formulas are created and reviewed by an expert team of Research & Development specialists who ensure our finished products deliver to the specifications we demand and the performance standards our customers need.

APPLICATIONS

TRAXON is recommended for use in many differentials, power take off units and final drives found on trucks, and off-highway vehicles used in construction, farm, forestry and mining operations. Consult owners manual for type and grade needed.

TRAXON is recommended for most oil lubricated universal joints, wheel bearings, planetary gear sets, steering gears and certain industrial gear reducers requiring GL-3, GL-4, or GL-5 oils.

Due to specific lubrication requirements TRAXON must not be used in:

- Automatic Transmissions
- Powershift Transmissions
- Hydrostatic drives and systems that include the lubrication of wet clutches and brakes
- Manual Transaxles on front wheel drive vehicles where an automatic transmission fluid or engine oil is specified
- Manual Transmissions (e.g. Spicer) where single grade engine oils are specified
- Not for use in specific manual transmissions where you must use an API GL-4 rated oil only and a GL-5/MT-1 oil is not acceptable

TYPICAL PERFORMANCE DATA

Property	Test Method	TRAXON 85W-140
Density, kg/L, 15°C (60°F)	ASTM D4052	0.8934
Flash Point, COC, °C (°F)	ASTM D92	217 (423)
Kinematic Viscosity, cSt @ 40°C (SUS @ 100°F) cSt @ 100°C (SUS @ 210°F)	ASTM D445	355 (1894) 26.1 (129)
Brookfield Viscosity, cP @ -12°C (10°F)	ASTM D2983	47,760
*Temperature for 150,000 cP, °C (°F)	ASTM D2983	-16 (3.2)
Viscosity Index	ASTM D2270	97
Pour Point, °C (°F)	ASTM D5950	-24 (-11)
Copper Corrosion, 3 h @ 121°C / 250°F	ASTM D130M	1b
Foaming Sequence 1 Sequence 2 Sequence 3	ASTM D892	0/0 0/0 0/0
Phosphorus, % wt	ASTM D4951	0.099
Boron, % wt	ASTM D4951	0.024

The values quoted above are typical of normal production. They do not constitute a specification.

* The figure of 150,000 cP maximum Brookfield viscosity is issued in US MIL-PRF-2105E and SAE J2360 to define low temperature properties. This value was selected as the result of a series of tests in a specific rear axle design which showed that pinion bearing failure can occur at viscosities higher than 150,000 cP. This technique defines the minimum temperature at which each viscosity grade can be safely used.

Learn more about us: lubricants.petro-canada.com
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Committed to the disciplined operation of our business.



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