



Syn-Blend LS 75W-90 Gear Oil

Synthetic Blend Automotive Gear Oil

DESCRIPTION

Syn-Blend LS 75W-90 Gear Oil is manufactured from synthesized high viscosity index base oils. The specialized limited-slip additive and extreme pressure (EP) gear lubricant additive package produce a heavy duty, extreme pressure, API GL-5 LS axle lubricant. The limited-slip additive helps to eliminate chatter in automotive and off-highway equipment equipped with limited-slip or positraction differentials. It contains oxidation and corrosion inhibitors to protect gears and bearings operated under a wide variety of load conditions. Lubricants made with these synthetic base stocks are shear stable and retain their viscosity/temperature characteristics, even under the severe mechanical shearing encountered in hypoid and other automotive gears. Syn-Blend LS Gear Oil 75W-90 provides improved cleanliness of high temperature components and seal protection, as well as the low temperature fluidity required for the operation of automotive equipment in arctic winter conditions.

Features & Benefits

- Chatter Control – ultimate chatter control in limited-slip differentials
- High Film Strength - gives high ratings in Timken and FZG tests
- Oxidation Stability - resists oxidation created by the churning and heating in the presence of air encountered in all gear cases
- Rust Protection - provides a protective film on metal surfaces thus minimizing rust and corrosion
- Viscosity/Temperature Properties - provides better low temperature fluidity protection than single grade oil along with effective lubricating film thickness at higher temperatures

Applications

- Syn-Blend LS 75W-90 Gear Oil is designed for high limited-slip performance.
- Syn-Blend LS Gear Oil 75W-90 is recommended for use in all spiral bevel and hypoid differentials, power dividers, and oil lubricated steering axle wheel bearings. The multi-viscosity characteristics allow use in equipment operating over a broad ambient temperature range. The product meets the performance requirements of MIL-L-2105D, MAN 342 Type M-1 and API GL-5 LS lubricants are specified. Manufacturer recommendations should be followed as to SAE grade and ambient temperature.



Product Data Sheet

Meets and/or exceeds

- API GL-5
- U.S. Military Specification MIL-PRF-2105D
- MAN 342 Type M-1

Notes

Nemco Syn-Blend LS 75W-90 is NOT recommended for use in automatic transmissions, powershift transmissions, hydrostatic drives and systems that include the lubrication of wet clutches and brakes.

Typical Characteristics – Syn-Blend LS 75W-90 Gear Oil

TEST	RESULT
Viscosity	122
@ 40°C, cSt	16.6
@ 100°C, cSt	
Viscosity, Brookfield at -40°C, cP (for 75W gear oils)	125,000
Viscosity Index	147
Pour Point, °C (°F)	-42 (-44)
Flash Point, °C (°F)	204 (400)
Copper corrosion, 3 hrs at 121°C	1B
Foaming sequence 1, ml	5
Foaming sequence 2, ml	10
Foaming sequence 3, ml	5
Timken OK load, lbs	65
Four ball EP test, weld load (kg)	250
FZG gear wear test, stages passed	12

Physical characteristics shown in the table are typical and may vary slightly.