



PRODUCT INFORMATION SHEET

WYNN'S LS DIFFERENTIAL FRICTION MODIFIER

Product Number: 64101 24 x 125ml

WYNN'S LS DIFFERENTIAL FRICTION MODIFIER is a differential oil supplement formulated to enhance limited slip performance of the rear axle.

Wynn's LS Differential Friction Modifier is recommended for use in four wheel drives, light commercial vehicles, and any vehicles equipped with limited slip differentials.

Introduction

Limited slip differentials are standard equipment for some four wheel drives, passenger cars, light trucks and many sport utility vehicles. They provide reliable traction in slippery road and other hazardous road conditions.

A limited slip differential detects when one wheel loses traction and then it automatically transfers torque to the wheel that has traction. The limited slip operation is normally provided by spring-loaded clutch packs within the differential that control the power transfer from the differential case to the side gears. The differential operation places severe demands on the gears, clutch plates and other drive components.

It is therefore essential that the correct amount of friction and slippage be maintained to allow the clutch plates to transfer torque smoothly. Failure to do so will create chatter. **Chatter** is the manifestation of torque build up and release that occurs at low speeds during cornering. Chatter is felt by the driver as shaking or vibration, and heard as a grinding or popping noise.

Advantages

The addition of Wynn's LS Differential Friction Modifier to a standard size axle enhances the protection of gear parts and reduces or eliminates chattering. It is often added to factory filled differentials since new.

It is again essential to be added to the differentials after service or oil changes.

This product is recommended for use in rear wheel drive passenger cars, light commercial vehicles and trucks, and sport utility vehicles equipped with limited slip differentials, e.g. GM Posi-Trak™, Ford Traction-Lok™, Chrysler Trac-Loc™ and Dana Hydra-Lok.

Wynn's LS Differential Friction Modifier can be used where GM Part No. 1052358, Ford Part No. F3TZ-19B546-MA, Chrysler Part No. 4318060 or Isuzu Part No. 8-01052-358-0 is recommended.



Wynn's LS Differential Friction Modifier meets the performance requirements of GM 9985380 and Ford WSP-M2C196-A specifications and is compatible with most mineral and synthetic gear oils meeting API GL-4, API GL-5 and MIL-PRF-2105E, as well as the new SAE J2360 specifications.

Benefits

Wynn's LS Differential Friction Modifier has been formulated to provide the following benefits:-

- **Enhances limited slip performance of rear axles.**
- **Eliminates chatter in limited slip differentials.**
- **Provides smooth operation of limited slip differentials.**
- **Enhances the protection of gear components.**
- **Eliminates the need to stock multiple gear oils.**

Applications

Wynn's LS Differential Friction Modifier is a factory-fill equivalent friction modifier that eliminates the need to stock a separate limited slip differential oil in the workshop.

Wynn's LS Differential Friction Modifier is a problem solver as it eliminates chatter in limited slip differentials. It is a workshop product solution.

Use entire contents of the 125ml tube and add to the rear axle limited slip differential. For larger differentials use Wynn's LS Differential Friction Modifier at 7% volume.

Typical Characteristics

Appearance	Thick liquid
Colour (Visual)	Amber
Colour (ASTM D 1500)	2.0
Density @ 15°C	0.916 (ASTM D 4052)
Flash Point (°C) COC	149 (ASTM D 92)
Viscosity @ 100°C (cSt)	5.5 (ASTM D 445)
Viscosity @ 40°C (cSt)	31.1 (ASTM D 445)
Viscosity Index	114 (ASTM D 2270)
Boiling Point (°C)	288

Performance test

Common GL5 gear oil
 GL5 + Wynn's LS friction modifier
 Factory-filled LS oil

Chatter Intensity

5.0
 0.5
 0.5