

SCARLINE

LUBRICANTS & GREASE EXPERTS

TRANSMISSION SYN 75W-90 GL-5

SCARLINE TRANSMISSION SYN 75W-90 GL-5 is premium-quality, high-performance **synthetic gear lubricant** formulated to meet the severe lubrication requirements of modern **manual transmissions, differentials, and final drives** operating under extreme pressure and load conditions.

This product is developed using advanced synthetic base oils and a robust additive system that provides **excellent extreme pressure (EP) performance**, ensuring reliable protection against wear, scuffing, and pitting of gear surfaces. Its optimized viscosity characteristics ensure effective lubrication across a wide temperature range, enabling smooth operation under both low and high temperature conditions.

75W-90 GL-5 is particularly suitable for **hypoid gear systems** where high sliding contact occurs, requiring superior load-carrying capacity and protection. It offers enhanced resistance to oxidation and thermal degradation, helping extend oil life and maintain cleanliness within the gear system.

The product is recommended for use in **passenger cars, light and heavy commercial vehicles, construction equipment, and off-highway machinery**, where API GL-5 performance level is specified.

Features and Benefits

- **Excellent Extreme Pressure (EP) Performance** provides strong protection against wear and scoring under high-load and shock-load conditions.
- **Superior Wear Protection** forms a durable lubricating film that reduces metal-to-metal contact, extending gear and bearing life.
- **High Oxidation Resistance** minimizes sludge and deposit formation, keeping the gear system clean over extended service intervals.
- **Enhanced Load Carrying Capacity** supports heavy-duty applications by maintaining a stable lubricating film under extreme pressure.
- **Excellent Low-Temperature Fluidity** ensures smooth gear shifting and effective lubrication during cold start conditions.
- **Corrosion and Rust Protection** protects gear components from moisture-related damage and oxidation.
- **Seal Compatibility** is compatible with common seal materials, helping to prevent leaks and maintain system integrity.

Specifications

Meets and Exceeds:

API GL-5; API MT-1; MIL-L-2105D; MIL PRF 2105E; Volvo 97312; MAN 341-Z2, MAN 342-M2; MAN 341-S1; MAN 341 GA-2; DAF; DTFR 12B140 (MB 235.8); DAF; Meritor 076-D; MACK GO-J; Scania STO 2:0 G; Scania STO 2:0 A FS; ZF TE-ML 02B,05A,07A,08,12L,12N,16F,17B,19C,21A; IVECO 18-1805; SAE J 2360

Technical Specifications

Test	Method	Typical Properties
Kinematic Viscosity (100°C), [cSt]	ASTM D445	14,0 – 18,0
Viscosity Index	ASTM D2270	Min. 160
Density @ 15°C g/ml	ASTM D4052	0,850 - 0,885
Flash Point, °C	ASTM D92	Min. 200
Pour Point, °C	ASTM D97	Max. -42

Health & Safety

Avoid prolonged or repeated contact with used oil. Wash skin thoroughly after handling. Refer to the product's Safety Data Sheet (SDS) for more details.