

Lucas Oil Mineral SAE 80W-90 Manual Transmission Fluid

Lucas Oil Mineral SAE 80W-90 Manual Transmission Fluid is designed to deliver superior protection for axles and both synchronised and non-synchronised manual transmissions. This high-performance fluid provides exceptional gear and bearing protection while optimising synchroniser function for smooth, reliable shifting.

Engineered for optimal performance in a wide range of temperatures, this mineral-based transmission fluid ensures excellent cold-weather fluidity, superior cleanliness, and strong corrosion resistance. Its durable formulation enhances efficiency and longevity, making it the ideal choice for maintaining peak transmission performance in any driving condition.

Lucas Oil Mineral SAE 80W-90 exceeds API GL-4 and GL-5 specifications, meeting the rigorous standards of SAE J2360 and top European OEMs such as Scania and MAN. With one of the broadest ZF approval ranges, it is specifically formulated to meet the high-performance demands of commercial fleets.

FEATURES AND BENEFITS:

- Provides advanced protection against wear, sludge, oxidation, and corrosion, keeping components clean and intact.
- Maintains enhanced viscosity stability across extreme temperatures, surpassing standard lubricants.
- Remains thermally stable and resists foaming, even under intense stress.
- Delivers superior lubrication to minimise friction and extend transmission lifespan.
- Ensures excellent compatibility with synchronisers, supporting optimal gear and bearing performance.

MAIN APPLICATIONS:

For use in axles and both synchronised and non-synchronised manual transmissions. Meets API GL-4 and GL-5 specifications, as well as the stringent performance requirements of SAE J2360 and leading European OEMs including Scania and MAN. Designed to meet a wide range of ZF performance requirements, making it suitable for many commercial fleet applications.

SPECIFICATIONS:

Meets the requirements of:

- API GL-4
- API GL-5
- API MT-1
- Iveco 18-1807 MG / MGM
- MAN 341 Type E2 / Z2 / 342 Type M2
- SAE J 2360
- Scania STO 1:0
- ZF TE ML 07A / 02B / 05A / 12L / 12M / 16B / 17B / 17H / 19C / 21A

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PART NUMBER AND SIZE:

47101 – 1 Litre (Case of 12).

47102 – 5 Litre (Case of 4).

47103 – 20 Litre (1 Drum).

47104 – 204 Litre (1 Drum).

TYPICAL PHYSICAL CHARACTERISTICS:

PROPERTIES	Method	Unit	Typical
Density, 15°C	D 4052	g/ml	0,896
Viscosity Grade	-	-	SAE 80W-90
Kinematic Viscosity, 40°C	D 445	mm ² /s	145
Kinematic Viscosity, 100°C	D 445	mm ² /s	15.2
Viscosity Index	D 2270	-	101
Brookfield Viscosity, -26°C	D 2983	Pa.s	129
Pour Point	D 97	°C	-24
Flash Point, COC	D 92	°C	200

These characteristics are typical of current production. However, slight variations in these characteristics may occur.

LINKS AND ADDITIONAL INFORMATION:

For additional product or health and safety information, including product Safety Data Sheets, visit [LucasOil.co.uk](https://lucasoil.co.uk)