

TECHNICAL DATA SHEET

TRANSMISSION ZC-90 GL4

Manual transmission lubricant

Data di prima emissione
19/11/2021

Rev. N°4 del 01/07/2024

SPECIFICS

API GL-4 ,ZF TE-ML 02B, 08, 16B, 17B,
MAN 341 TYP Z2/E1

TECHNICAL DESCRIPTION



Friction and wear are the cause and effect of two surfaces in contact and in motion. The design development of this product has identified these fundamental aspects and made them the subject of study in order to achieve exceptional results when operating under severe conditions and high loads over long periods. This specific product for manual gearboxes, synchronised gears and differentials is formulated with specific additives that under maximum load conditions are activated by the increase in friction and temperature, dissociate from the matrix and adhere by polarity to the metal surfaces, thus creating a protective coating that gives maximum performance.

The use of such a product ensures:

- Optimised load-bearing performance;
- Maximum durability and extended oil-change interval;
- Total absence of vibration and noise;
- Very high thermal and oxidative stability;
- Exceptional friction control;
- Maximum resistance to wear;
- Maximum compatibility with materials used in these systems;
- Maximum cleaning action;
- Maximum anti-foaming action;
- High anti-corrosion and anti-rust properties.

For further details, please contact the technical department

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Typical characteristics

Properties	Unit	Method	Average values
Colour	-	Visual	Amber
Appearance	-	Visivo	limpid
Density	Kg/dm ³	ASTMD7042	0,890
Viscosity 40°C	cSt	ASTMD445	130
Viscosity 100°C	cSt	ASTMD445	15,2
Viscosity Index	-	ASTMD2270	120
Flash Point	°C	ASTMD92	237
Freezing point	°C	ASTMD97	-28

MODE OF USE

Use in accordance with the recommendations in the user and maintenance manual supplied by the manufacturer. Store in a cool, dry place, protected from direct sunlight and at temperatures not exceeding 60°C (140°F).

SAFETY AND ENVIRONMENT

Use in accordance with the recommendations provided in the Safety Data Sheet.
Additional information on MSDS.