

ZF Friedrichshafen AG
Product Data Sheet



ZF LifeguardFluid MTS

Transmission Lubricant for Manual Transmissions – GL-4 80W90

ZF Lifeguard Fluid MTS conforms to GL-4, 80W90 standard. This is a high-quality automotive gear lubricant, formulated from high quality base oils and specially selected additives for mild extreme pressure. This product provides for automotive manual gearboxes, transmission, axles and final drives that present conditions of medium severity.

Applications:

- ❖ Passenger cars, on highway vehicles, light-medium heavy-duty trucks.
- ❖ Off-highway equipment for construction, mining and agriculture.
- ❖ Suitable for hypoid gear under severe condition but are without shock loading.
- ❖ Suitable for gearboxes fitted with synchromesh.

Meets Performance:

- ❖ API GL-4
- ❖ 150,000 km no harm field demonstration:
 - Heavy Duty Transmission: Eaton-Fuller FRO-15210C Transmission.

Features and Benefits:

- ❖ Provide extreme pressure to protect scuffing and wear in hypoid and other types of gear.
- ❖ Excellent rust and corrosion protection.
- ❖ Effective low temperature lubrication.
- ❖ Good protection under high speed/low torque and low speed/high torque.
- ❖ Good in thermal and oxidation stability.

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Typical Properties:

Properties	Test Method	Typical value
Appearance	Visual	Bright & Clear
ASTM Color	ASTM D1500/D6045	L2.5
Density @15°C, g/cm ³	ASTM D4052	0.8776
Kinematic Viscosity @40°C, °C	ASTM D445	133
Kinematic Viscosity @100°C, °C	ASTM D445	14.07
Viscosity Index	ASTM D2270	103
Flash Point by COC, °C	ASTM D92	240
Pour Point, °C	ASTM D5950/D6892/D6749	-32
Brookfield @-26°C, mPa.s	ASTM D2983	103,700
Foaming: Seq. II @93.5°C, Tendency/Stability	ASTM D892	0/0

These properties are typical of current production. Whilst future production will conform to ZF Specification, variations in these properties may occur.

Part Numbers:

Product No.	Package	Size
5961.309.118	Bottle	1 L
5961.309.119	Canister	4 L

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