



PRODUCT DATA SHEET

Product name: **ZF EcoFluid LM8**

ZF EcoFluid LM8, Gear Oil GL-5 SAE 85W-140 is a high-performance automotive gear oil formulated from high quality base oil and contains high EP additive for heavy duty conditions with excellent gear protection, longer oil drain interval and transmission life. This product provides for manual transmission, gearboxes and hypoid gear axles that presenting conditions of moderate to heavily load applications.

Applications:

- ❖ Recommended for commercial vehicles, heavy duty trucks required API GL-5.
- ❖ Off-highway equipments for construction, mining and agriculture.
- ❖ Suitable for hypoid gear axles under severe service and shock loads.

Meets Performance:

- ❖ API GL-5
- ❖ ZF TE-ML 07A (Suitable for use: ZF TE-ML 16B, 16C, 17B and 19B)
- ❖ 150,000 km no harm field demonstration:
 - Heavy Duty Axle: Dana DS/RS 4040 Rear Axles
 - Light Duty Axle: Ford E-350 vans

Features and Benefits:

- ❖ Outstanding pitting, scuffing and wear protection.
- ❖ Excellent rust and corrosion protection.
- ❖ Effective low temperature lubrication.
- ❖ Good protection under high speed/shock load, 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 @150C, g/cm ³	ASTM D4052	0.9055
Kinematic Viscosity @400C, 0C	ASTM D445	413.7
Kinematic Viscosity @1000C, 0C	ASTM D445	29.03
Viscosity Index	ASTM D2270	98
Flash Point by COC, 0C	ASTM D92	244
Pour Point, 0C	ASTM D5950/6892/6749	-21
Brookfield @-120C, mPa.s	ASTM D2983	97000
Foaming: Seq. II @93.50C, Tendency/Stability	ASTM D892	0/0