



Gulf Gear MZ

Premium Performance Automotive Gearbox Oil

Product Description

Gulf Gear MZ series are premium performance gear lubricants designed to provide effective lubrication in a wide range of automotive transmissions. These are formulated from high quality base stocks and proven performance extreme pressure additives to provide protection to gear components against wear and scoring. They offer protection against oxidation degradation and rust & corrosion. Gulf Gear MZ exceeds requirements of Daimler 13B170, ZF TE-ML 17A & 16T (SAE 80W) and 16A, 17A & 19A (SAE 80W-90) for gear oils.

Features & Benefits

- Excellent extreme pressure and antiwear properties protect against wear and scoring leading to lower maintenance costs, enhanced equipment durability and potential for long service life
- High oxidation stability minimizes deposit formation facilitating longer gear and bearing life
- Effective rust and corrosion protection reduces wear and extends component life
- Better low temperature fluidity (SAE 80W, 80W-90) reduces wear at start-up and helps in smoother shifting at low ambient temperatures
- Good anti-foam properties ensure film strength for effective lubrication
- Excellent seal compatibility helps minimize leakages and reduce chances of contamination

Applications

- Heavy duty manual transmissions and axle drives where API GL-4 quality oils are specified
- On-road light and heavy-duty trucks, buses, vans and passenger cars
- Off-highway equipment in construction, mining and agriculture
- Other applications involving spiral bevel gears operating under moderate to severe speeds and loads and axles with hypoid gears operating under mild to moderate speeds and loads
- Not suitable for automatic transmissions

Specifications, Approvals & Typical Properties

Meets the following Specifications		80W	80W-90
API GL-4, US MIL-L-2105		X	X
Daimler 13B170			X
Has the following Approvals			
Daimler Truck Fluid Release 13B170		X	
Approval according to ZF Lubricant Class ZF TE-ML 16T , TE-ML 17A		X	X
Approval according to ZF Lubricant Classes TE-ML 16A, TE-ML 19A			X
ZF Approval Number		ZF000873	ZF001034
Typical Properties			
Test Parameters	ASTM Method	Typical Values	
Viscosity at 100 °C, cSt	D 445	10.1	14.7
Viscosity Index	D 2270	100	104
Flash Point, °C	D 92	210	221
Pour Point, °C	D 97	-30	-27
Density @ 15°C, Kg/l	D 1298	0.890	0.896

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Properties mentioned are typical only and minor variations, which do not affect product performance, are expected to arise in normal manufacturing processes. Please follow equipment manufacturer's recommendations for performance level and viscosity grade. The Safety Data Sheet for this product is available from your nearest Gulf Distributor. Please consult our local representative if any further information is required.

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