



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 MB 235.5, MAN 341 Typ Z-2 and ZF TE-ML- 02B and 17A (SAE 80W and 80W-90) and 16A, 17A and 19A (SAE 80W-90, 85W-90 and 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 minimises 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 and 85W-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 minimise 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
- Gulf Gear MZ 80W and 80W-90 are recommended for extended drain (compared to ZF TE-ML 02A) in ZF transmission where ZF TE-ML 02 A/B type of oils are recommended
- Not suitable for automatic transmissions

Specifications, Approvals & Typical Properties

Meets the following Specifications		80W	80W-90	85W-90	90
API GL-4, US MIL-L-2105		X	X	X	X
MB 235.5, MAN 341 Typ Z-2		X	X	X	X
Has the following Approvals					
MB 235.5		X		X	X
MAN 341 Typ Z-2			X		
MAN 341 Typ Z-2, MAN 341 Typ E-2		X			
ZF TE-ML- 02B, 17A		X	X	X	X
ZF TE-ML-16A, 19A			X	X	X
Typical Properties					
Test Parameters	ASTM Method	Typical Values			
Viscosity at 100 °C, cSt	D 445	10.1	14.7	17.0	17.1
Viscosity Index	D 2270	100	104	97	97
Flash Point, °C	D 92	210	221	236	238
Pour Point, °C	D 97	-30	-27	-21	-18
Density @ 15°C, Kg/l	D 1298	0.890	0.896	0.897	0.897

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Properties mentioned above are typical only and minor variations, which do not affect the product performances, are to be expected in normal manufacturing. The above information is based on past history of the grade only and must not be construed as a guarantee of performance. Follow equipment manufacturer's recommendations for performance level and viscosity grade. The Material Safety Data Sheet for this product is available from your nearest Gulf Distributor.

Gulf Oil International

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