



NAVIGATOR LSD 80W-90

Description

It is an extreme pressure multigrade oil lubricant, recommended for use in limited slip differentials and drive axles for public works vehicles and four-wheel-drive all-terrain vehicles where fluids with LSD (limited slip differential) characteristics are needed. They may also be used in non-limited slip differentials which require an API GL-5 quality level.

Properties

- It incorporates a friction modifier that ensures the proper functioning of the vehicle's locking system.
- Proven effectiveness in severe conditions of high loads and abrupt decelerations, where the gears are subjected to heavy wear.
- High corrosion resistance demonstrated in trials conducted in the presence of water and high temperatures.
- Prevents foaming and ensures proper lubrication of components, avoiding premature wear.
- Its additivation incorporates technology backed by thousands of miles of trouble-free operation.

Quality levels, approvals and recommendations

- ZF TE-ML: 05C, 21C*
- MIL-L-2105D
- API: GL-5, LSD
- *Formal approval

Technical specifications

| | UNIT | METHOD | VALUE |
|------------------------------------|-------------------|------------|----------|
| SAE Grade | | | 80W-90 |
| Density at 15 °C | g/cm ³ | ASTM D4052 | 0.898 |
| Kinematic viscosity at 100 °C | cSt | ASTM D445 | 16.3 |
| Kinematic viscosity at 40 °C | cSt | ASTM D445 | 150 |
| Brookfield Viscosity at -26 °C | cP | ASTM D2983 | <150,000 |
| Viscosity index | | ASTM D2270 | 113 |
| Flash point, open cup | °C | ASTM D92 | >180 |
| Pour point | °C | ASTM D97 | -30 |
| FZG (A/8,3/90): Failure load stage | | ISO 14635 | >12 |
| 4 Ball EP, wear load index | | ASTM D2783 | >50 |

The above mentioned characteristics are typical values and should not be considered product specifications.