

GEAR OILS UNIVERSAL

SAE 80W/90, 80W/140, 85W/140

High-pressure transmission oils. API GL-5.

Description

MOTOREX GEAR OIL UNIVERSAL is a mineral-oil-based high-pressure transmission oil and contains effective high-pressure additives. The formulation guarantees a reliable, unbroken lubricating film which provides tooth flanks with optimal protection against wear and pitting when rolling and sliding.

Field of application

MOTOREX GEAR OIL UNIVERSAL is a gear oil specifically formulated to withstand the highest pressures. It is used in all situations where very high loads occur, such as in hypoid gears for road vehicles, wheel final drives, planetary gears, in construction machines, agriculture and industry.

Please check with manufacturers specifications.

Advantages

- Optimum wear protection
- Excellent anti-foaming behaviour
- Good resistance to ageing
- Good viscosity-temperature characteristics
- 85W/140 is excellent for absorbing shocks

Specifications

SAE 80W/90

API GL-5
 MAN 342 M1, M2
 ZF TE-ML 07A, 08, 16B, 16C, 17B, 19B, 21A
 MIL-L-2105 D
 Safety + Performance:
 MB 235.6, MB 235.0

SAE 80W/140

API GL-5
 MIL-L-2105D
 Safety + Performance:
 ZF TE-ML 05A, 07A, 08, 12E, 16C, 16D, 21A,
 VOLVO 1273.10, 97310

SAE 85W/140

API GL-5
 MIL-L-2105D
 Safety + Performance:
 ZF TE-ML 05A, 07A, 08, 12E, 16C, 16D, 21A
 VOLVO 1273.10, 97310

Technical data

| Properties | Unit | Test according to | Val.1 | Val.2 | Val.3 |
|--------------------------------|--------------------|-------------------|---------------|----------------|----------------|
| Viscosity class | | SAE J 306 | 80W/90 | 80W/140 | 85W/140 |
| Colour | | DIN ISO 2049 | yellowbrown | yellobraun | Dark yellow |
| Density at 20 °C | g/ml | ASTM D 4052 | 0.896 | 0.892 | 0.905 |
| Viscosity at 40 °C | mm ² /s | DIN 51562-1 | 150.7 | 244 | 393.8 |
| Viscosity at 100 °C | mm ² /s | DIN 51562-1 | 15.3 | 27.9 | 28.2 |
| Brookfield -26°C/ -26°C/ -12°C | mPa·s | ASTM D 2983 | 107'000 | 129,300 | 124'000 |
| Viscosity index | | DIN ISO 2909 | 102 | 150 | 98.3 |
| Pourpoint | °C | ASTM D 5950 | -30 | -33 | -27 |
| Flash point | °C | DIN EN ISO 2592 | >200 | >200 | >200 |

Water hazard class: WGK 1

Disposal code: EWC 130 205

The above information is subject to change without prior notice, although it is in accordance with current standards. Performance characteristics indicated are based on usual tolerances which occur during measuring and production using the latest technology. A safety data sheet is available.



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