



CHALLOILS TRANSMISSION 80W-90

Oils for highly stressed mechanical transmissions

Product Description:

Multigrade oil with good demulsibility, outstanding antifoam properties and very high EP power for the lubrication of differentials with hypoid gears of cars running under severe conditions.

It is also suitable for the lubrication of manual transmissions, gear boxes, final drives, power take-offs and steering boxes, cars, trucks, buses, agricultural machinery and construction, where they are prescribed lubricants of API GL5 level. It can also be used for transmission and reduction gears, except for worm gears, industrial machinery in particularly severe operating conditions.

Features and Benefits:

Effective lubricity even in the presence of strong friction, and high shock loads. Good flow properties and maintaining the cold-hot viscosity. Compatibility with metals and seals.

Excellent corrosion protection of metal surfaces. Long life and consistent operation of the transmissions.

Specifications and Approval:

Exceeds requirements: **API GL-5, US Army MIL-L-2105 C/D**

Typical properties:

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| SAE Grade | 80W-90 |
| Viscosity ASTM D-445 | |
| cSt @ 40°C | 140 – 154 |
| cSt @ 100°C | 13,2 – 14,9 |
| Viscosity Index ASTM D-2270 | 100 |
| Pour Point, °C, ASTM D-97 | -27 |
| Flash Point, °C, ASTM D-92 | 210 |
| Density @ 15°C, Kg/l, ASTM D-1298 | ≥0,890 |
| Low Temperature Cranking Viscosity,cP @ -20°C, ASTM D-5293 | <150000 |

Health and Safety:

The data related to health, safety and environmental protection are provided in the material safety data sheets.

The above figures are those relating to normal manufacturing tolerances and do not constitute a specification.

TRANSMISSION 80W-90 Date Created: 18/01/2013 Last Edit: 20/07/2018

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