



GEAR SYNT TDL 75W-90

Fully Synthetic

DESCRIPTION

Lubricant for heavily loaded transmissions and long drain service.

APPLICATIONS

GEAR SYNT TDL 75W-90 is specially designed for heavily loaded mechanical transmissions and long drain service: MAN, SCANIA, ZF (Ecolite Ecomid, Ecosplit and AS-tronic 1 without Intarder), ...

All mechanical transmissions, synchronized or non-synchronized gearboxes, gearbox/differential, transfer gearboxes and hypoid differentials without limited slip system operating under shocks, heavy loads and low revolution speed or moderate loads and high revolution speed.

ADVANTAGES

- Fully Synthetic Extreme Pressure lubricant for an efficient anti-wear protection, a better resistance at high temperature and a longer life time.
- Viscosity grade 90 at high temperature to provide outstanding oil film resistance at hot temperature and/or to reduce transmission noise.
- Stays in viscosity grade 90 after KRL 20 hours shear test as requested by SAE J306 Standard.
- Very high lubricating power which decreases friction and wear.
- Fluid at low temperature to allow easier gear shifting when the gearbox is cold.
- Less effort required on the gear lever to shift the gears.
- Suitable for any type of seal and yellow material used in gearboxes design.
- Anti-corrosion, anti-foam.



TECHNICAL CHARACTERISTICS

| CHARACTERISTICS | METHOD | GEAR SYNT TDL 75W-90 |
|----------------------------|------------|--------------------------|
| Viscosity grade | SAE J 300 | 75W-90 |
| Density at 20°C (68°F) | ASTM D1298 | 0.866 |
| Viscosity at 40°C (104°F) | ASTM D445 | 105.0 mm ² /s |
| Viscosity at 100°C (212°F) | ASTM D445 | 15.7 mm ² /s |
| Viscosity Index | ASTM D2270 | 158.0 |
| Pour point | ASTM D97 | -51.0 °C / -60.0 °F |
| Flash point | ASTM D92 | 202.0 °C / 381.0 °F |

STANDARDS / APPROVALS / PERFORMANCE LEVEL

GEAR SYNT TDL 75W-90 meets the following standards:

- API - GL-5 / GL-4 / MT-1
- MIL-PRF - -2105E
- MIL-L - 2105 D
- SAE - J2360

GEAR SYNT TDL 75W-90 received approvals from:

- SCANIA - ST0 2:0 A (Transmission)
- VOLVO - Transmission oil 97312

GEAR SYNT TDL 75W-90 meets or exceeds the most common specifications and OEM requirements:

- MERITOR - 076-N
- ARVIN - 076-N
- EATON - Europe Transmissions
- MACK - GO-J
- MAN - 342 Type M3
- MAN - 341 Types Z2 / E2
- MERCEDES-BENZ - MB 235.8
- ZF - TE-ML 02B / 05A / 12L / 12N / 16F / 17B / 19C / 21A under n° ZF000825

RECOMMENDATIONS

Oil drains: refer to manufacturers' recommendations and adjust according to your own use.



IMPORTANT NOTICE

All information and rules about health, safety and the environment are mentioned on the safety data sheet. It provides information about risks, safety procedures and first aid emergency rules. It clarifies all procedures to implement in the case of an accidental spillage, and for the disposal of the product and its effects on the environment. The specifications of our products are definite only at the time of order, and are subject to our general sale and guarantee conditions. To give our customers the latest technical developments, the general characteristics of our products may vary. The safety data sheet of this product is available at www.motul.com.