



Lube Control Pty Ltd



Product Data Sheet

## Transmax Dynadrive Long Life 80W-90

Part Synthetic Automotive Gear Lubricant

### Description

Castrol Transmax Dynadrive Long Life 80W-90 is a part-synthetic SAE 80W-90 gear oil specifically developed to meet all the gear oil requirements for both manual transmissions and final drives. The unique additive system provides the extreme pressure protection needed in heavy-duty differentials as well as the frictional properties required for smooth shifting synchromesh manual transmissions.

The excellent viscosity/temperature characteristics of Transmax Dynadrive Long Life 80W-90 overcome gear change baulking at low temperatures, whilst the outstanding thermal stability of the semi-synthetic base oil minimises deposit formation and allows oil drain intervals to be extended when appropriate.

### Application

Castrol TRANSMAX Dynadrive Long Life 80W-90 is designed for use in highly loaded final drives and differentials of commercial vehicles such as trucks, buses, vans and 4WD's, as well as synchronised manual transmissions requiring API GL-4 or GL-5 lubricants.

Castrol TRANSMAX Dynadrive Long Life 80W-90 has shown excellent performance in a range of heavy duty differentials in the transport industry, as a replacement for conventional 85W-140 EP gear oils.

Extensive Australian field trials have shown Castrol TRANSMAX Dynadrive Long Life 80W-90 to be an excellent 'trouble shooting' lubricant for final drives operating under severe conditions. It has been particularly successful in reducing operating temperatures and extending oil and component life in Meritor (Rockwell) axles and is endorsed by Meritor Australia for use in these applications.

### Advantages

- High oxidative stability enables better component cleanliness and longer oil life, resulting in extended servicing.
- Excellent viscosity/temperature characteristics.
- Synthetic base oil provides enhanced lubricant durability.
- Excellent shear stability ensures high performance throughout the lubricants life.
- Being one product for both manual and final drive transmissions, it offers rationalisations that reduce workshop stockholding and helps prevent service filling errors.
- Reduced gear change baulking at low temperatures.
- Excellent differential cleanliness.
- Reduced wear.
- Extended drain.
- Excellent transmission performance.
- Extended axle bearing life.



Typical Characteristics

| Name                               | Method     | Units      | Transmax Dynadrive Long Life 80W-90 |
|------------------------------------|------------|------------|-------------------------------------|
| Density @ 15C, Relative            | ASTM D4052 | g/ml       | 0.893                               |
| Viscosity, Kinematic 100C          | ASTM D445  | mm²/s      | 17.0                                |
| Viscosity, Kinematic 40C           | ASTM D445  | mm²/s      | 172                                 |
| Viscosity Index                    | ASTM D2270 | None       | 106                                 |
| Viscosity, Brookfield @ -26C (80W) | ASTM D2983 | mPa.s (cP) | 120000                              |
| Pour Point                         | ASTM D97   | °C         | -39                                 |
| Flash Point, COC                   | ASTM D92   | °C         | 234                                 |

Product Performance Claims

API GL-4/GL-5  
SAE J2360  
Volvo Transmission Oil 97321-24-082  
Mack GO-J  
Meets ArvinMeritor O76-D

Transmax Dynadrive Long Life 80W-90  
30 Jul 2025  
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