



Dynadrive 80W-90

Part Synthetic Automotive Gear Lubricant

Description

Castrol Dynadrive 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. By virtue of the unique additive system employed, Castrol Dynadrive meets all of the API GL- 4 and 5 performance levels, which means that one product has the extreme pressure capability demanded by hypoid final-drive gears, but which is equally suitable for the lubrication of synchromesh manual transmissions.

The excellent viscosity/temperature characteristics of Dynadrive 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 Dynadrive 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 Dynadrive 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 Dynadrive 80W-90 to be an excellent 'trouble shooting' lubricant for problematic differentials operating in arduous conditions. It has been particularly successful in reducing operating temperatures and extending oil and component life in Meritor (Rockwell) axles and is recommended for use in these applications.

Advantages

- High oxidative stability permits better component cleanliness and longer oil life permitting extended servicing.
- Excellent viscosity/temperature characteristics.
- Synthetic base oil giving 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 | Dynadrive 80W-90 |
|------------------------------------|------------|--------------------|------------------|
| Density @ 15C, Relative | ASTM D4052 | g/ml | 0.893 |
| Viscosity, Kinematic 40C | ASTM D445 | mm ² /s | 172 |
| Viscosity, Kinematic 100C | ASTM D445 | mm ² /s | 17.0 |
| 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

Removal

Bare Metal Surfaces:

Remove with Castrol solvent cleaners or water based degreasers.

Hand Cleaning:

Use any of the Castrol range of hand cleaners, e.g. CareClean Plus.

Other Surfaces:

Contact the Castrol Technical Advice Line on 0800 10 40 60.

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