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## Dynadrive

### Part Synthetic Automotive Gear Lubricant

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#### Applications

Castrol Dynadrive is a part-synthetic SAE 80W/90 gear oil specifically developed to meet all the gear oil requirements of HGV fleets - for both manual transmissions and final drives. By virtue of the unique additive system employed, Castrol Dynadrive meets all of the API GL-1, 2, 3, 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.

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#### Features / Benefits

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 lubricant's 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 transmission cleanliness.
  - Reduced wear.
  - Extended drain.
  - Excellent transmission performance
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#### Specifications / Performance

API GL-4 / 5 and MT-1  
MAN 3343 M  
Scania STO:1  
ZF TE-ML 02B, 05A, 12E, 16C, 17B, 19B, 21A

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#### Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration of drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

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#### Health, Safety and Environment

Health, safety and environmental information is provided for this product in the Materials Safety Data Sheet. This gives details of potential hazards, precautions and First Aid measures, together with environmental effects and disposal of used products.

Castrol (UK) Ltd. or its subsidiaries will not accept liability if the product is used other than in the manner or with the precautions or for the purpose/s specified. Before the product is used other than as directed, advice should be obtained from the local Castrol office.

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#### Typical Characteristics

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Test Methods	Units	Value:
		SAE 80W-90
Relative Density at 15°C	ISO 3675 / ASTM D1298	kg/m <sup>3</sup> 902
Viscosity at 40°C	ISO 3104 / ASTM D445	mm <sup>2</sup> /s 168
Viscosity at 100°C	ISO 3104 / ASTM D445	mm <sup>2</sup> /s 17.0
Viscosity Index	ISO 2909 / ASTM D2270	- 110
Brookfield Visc @ -26°C	ASTM D2983	mPa.s <150,000
Flash Point (PMCC)	ASTM D93	°C 143
Pour Point	ISO 3016 / ASTM D97	°C -30

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The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.

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