



Castrol Manual EP 80W

Manual Transmission Fluid

Description

Castrol Manual EP 80W is a mineral based fluid suitable for use in applications where API GL-4 performance is required. Manual EP 80W is approved for use in MB transmissions used in light commercial vehicles and trucks and also approved for use in ZF manual transmissions.

Advantages

- Wide range of european OEM approvals.
- High thermal stability protects against deposit formation and oil thickening maintaining the life and performance of lubricant and transmission.
- Good antiwear and load carrying characteristics extend the life of components.

Typical Characteristics

Name	Method	Units	Manual EP 80W
Density @ 15C, Relative	ASTM D1298	g/ml	0.89
Viscosity, Kinematic 40C	ASTM D445	mm ² /s	85.6
Viscosity, Kinematic 100C	ASTM D445	mm ² /s	10.2
Viscosity Index	ASTM D2270	None	100
Pour Point	ASTM D97	°C	-33
Viscosity, Brookfield @ -26C	ASTM D2983	mPa.s (cP)	110000
Flash Point, COC	DIN-ISO 2592	°C	238

Product Performance Claims

API GL-4
MB-Approval 235.1
ZF TE-ML 17A

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 damage to drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

Castrol Manual EP 80W

10 Mar 2016

Castrol, the Castrol logo and related marks are trademarks of Castrol Limited, used under licence.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Material Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either BP plc or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

Castrol (UK) Limited, PO BOX 354, Chertsey Road, Sunbury On Thames, Middlesex, TW16 9AW

Orders/Enquiries: 0845 6008125 Technical Enquiries: 0845 082 1719 BP (Ireland) Ireland Orders/Enquiries: 1850 930 3942 Ireland Technical Enquiries: 1800 509 353

www.castrol.com/uk