



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

- 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

Additional Information

Manual EP 80W is registered under the following ZF approval numbers: ZF000313, ZF000293, ZF000296, ZF000278

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.

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

www.castrol.com