



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	0.883
Viscosity, Kinematic 100C	ASTM D445	mm ² /s	9.9
Pour Point	ASTM D97	°C	-30
Viscosity, Brookfield @ -26C	ASTM D2983	mPa.s (cP)	< 150.000
Viscosity, Kinematic 40C	ASTM D445	mm ² /s	94
Viscosity Index	ASTM D2270	None	97
Flash Point, COC	ASTM D92	°C	180

Product Performance Claims

API GL-4
MAN 341 Typ E1
MAN 341 Typ Z2
MB-Approval 235.1
ZF TE-ML 17A

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