



Product Data

## Transmax Manual EP 80W-90

Manual Transmission Fluid

### Description

Castrol Transmax Manual EP 80W-90 is a mineral oil based fluid suitable for use in applications where API GL-4 performance is required. 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	Transmax Manual EP 80W-90
Density @ 15C, Relative	ASTM D4052	g/ml	0.89
Viscosity, Kinematic 100C	ASTM D445	mm <sup>2</sup> /s	14.0
Viscosity, Kinematic 40C	ASTM D445	mm <sup>2</sup> /s	133
Viscosity Index	ASTM D2270	None	103
Viscosity, Brookfield @ -26C (80W)	ASTM D2983	mPa.s (cP)	134000
Pour Point	ASTM D97	°C	-33
Flash Point, COC	DIN-ISO 2592	°C	236

## Product Performance Claims

API GL-4  
ZF TE-ML 02B, 17A  
MAN 341 Z2

## Additional Information

Transmax Manual EP 80W-90 is registered under the following ZF approval numbers: ZF002133, ZF002134, ZF002135, ZF002136

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