



## Transmax Universal LL 75W-90

Universal Fluid for manual transmissions and axles

### Description

Castrol Transmax Universal LL 75W-90 formulated with Smooth Drive Technology™ is a full synthetic multi purpose manual transmission and final drive lubricant. It may be used in synchronised manual transmissions and final drives / differentials of a wide range of vehicles (commercial vehicle, construction equipment) where API GL-4 or API GL-5 fluids are required and it carries a number of OEM approvals.

### Advantages

- A single product for transmissions and final drives reducing inventory and the potential for misapplication.
- Excellent low temperature fluidity provides improved shift quality and wear protection in cold conditions and improves fuel efficiency.
- Superior high temperature stability and excellent wear protection even in the most arduous conditions prolongs equipment life and allows for extended drain intervals.
- Full compatibility with conventional mineral oils and seals allows this product to be used in a wide range of applications.

### Typical Characteristics

Name	Method	Units	Transmax Universal LL 75W-90
Density @ 15C, Relative	ASTM D4052	g/ml	0.8665
Viscosity, Kinematic 100C	ASTM D445	mm <sup>2</sup> /s	15
Viscosity, Kinematic 40C	ASTM D445	mm <sup>2</sup> /s	104
Viscosity Index	ASTM D2270	None	154
Viscosity, Brookfield @ -40C (75W)	ASTM D2983	mPa.s (cP)	67000
Pour Point	ASTM D97	°C	-51
Flash Point, COC	DIN-ISO 2592	°C	202

## Product Performance Claims

API GL-4/GL-5/MT-1  
SAE J2360  
MAN 341 Z2, 342 S1, MB-Approval 235.8,  
Scania STO 1:1G, STO 2:0A FS,  
Volvo 97312,  
ZF TE-ML 02B, 05A, 12L, 12N, 16F, 17B, 19C, 21A

## Additional Information

Transmax Universal LL 75W-90 is registered under the following ZF approval numbers: ZF002144

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