

## 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 @ 15°C, Relative	ASTM D4052	g/ml	0.8665
Viscosity, Kinematic 100°C	ASTM D445	mm²/s	15
Viscosity, Kinematic 40°C	ASTM D445	mm²/s	104
Viscosity Index	ASTM D2270	None	154
Viscosity, Brookfield @ -40°C (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  
DTFR 12B140 (MB 235.8)  
MAN 341 Z2, 341 GA1, 342 S1  
MB-Approval 235.9  
Scania STO 1:1G, STO 2:0A FS  
Volvo Transmission Oil 97312:047  
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

## 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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29 May 2024

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