



Product Data Sheet

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



Lube Control Pty Ltd

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

Transmax Universal LL 75W-90
29 May 2024
Castrol, the Castrol logo and related marks are trademarks of Castrol Limited, used under licence.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, to the extent that it is permissible by law to exclude warranties and representations, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Material Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. Refer to the MSDS, available from our website for further information. No responsibility is taken by either Castrol Australia , BP plc or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

Castrol Australia Pty Limited - ABN 87 008 459 407 – 132 McCredie Road, Guildford NSW 2161, Australia
Technical Advice Line 1300 557 998 Customer Service 1300 554 890