



Syntrax Universal 80W-90

Universal fluid for manual transmissions and axles

Description

Castrol Syntrax Universal 80W-90 is a part-synthetic SAE 80W-90 multipurpose manual transmission and final drive lubricant. It is particularly recommended for use in highly loaded final drives and differentials of commercial vehicles where API GL-5 performance is required and it carries a number of approvals. Additionally it may be used in synchronised manual transmissions requiring API GL-4 or GL-5 fluids.

Advantages

- A single product for transmissions and final drives reducing inventory and the potential for misapplication
- High temperature stability gives superior performance and extended drain potential.
- Proven performance as a problem solver in differentials operating in hot climates under arduous conditions.
- Optimised synchroniser performance gives smooth gear shifting at all temperatures.
- High shear stability maintains performance over the life of the lubricant.
- Excellent wear protection particularly at high temperatures extends component life and reduces maintenance costs

Typical Characteristics

Name	Method	Units	Syntrax Universal 80W-90
Density @ 15C, Relative	ASTM D4052	g/ml	0.893
Viscosity, Kinematic 40C	ASTM D445	mm ² /s	168
Viscosity, Kinematic 100C	ASTM D445	mm ² /s	17.00
Viscosity Index	ASTM D2270	None	108
Viscosity, Brookfield @ -26C	ASTM D2983	mPa.s (cP)	120000
Pour Point	ASTM D97	°C	- 33
Flash Point, COC	ASTM D92	°C	214

Product Performance Claims

API GL-4/GL-5
MAN 341 Typ Z2
MAN 342 Typ M2
MB-Approval 235.0
Scania STO 1:0
ZF -TE ML 02B, 05A, 12L, 12M, 16C, 17H, 19B, 21A
Recommended for use in Hino manual transmissions and differentials

Additional Information

Syntrax Universal 80W-90 is registered under the following ZF approval number: ZF000227

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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