

Univar Brake & Clutch DOT 4 LV

Description

Univar Brake & Clutch DOT 4 LV has been specially formulated to enable Electronic Stability Program (ESP) systems to operate effectively over a wide temperature range. Suitable for all ESP and other conventional brake systems using Glycol Ether based Brake Fluids.

Performance, Features & Benefits

- The product fully meet the requirements of the latest issue of the:

US FMVSS 116 DOT 4, DOT 3, SAE J 1703, SAE J 1704 and ISO 4925 (Classes 3, 4 & 6) Specifications.

- The product also meet the following requirements:

Test	Units	Method	Specification
Equilibrium Reflux Boiling Point	°C.	FMVSS 116	260 Min.
Wet Equilibrium Boiling Point	°C.	FMVSS 116	165 Min.
Kinematic Viscosity at -40°C.	cSt	ASTM D 445	750 Max.

Univar Brake & Clutch DOT 4 LV also conform to many other international and manufacturers' standards. Details are available on request.

Typical Data

Test Required	Typical Results	Specification
Dry Equilibrium Reflux Boiling Point, °C	267	260 °C. Min.
Wet Equilibrium Reflux Boiling Point, °C	172	165 °C. Min.
Kinematic Viscosity @ -40 °C, cSt	675	750 cSt Max.
pH @ 100 °C, cSt	2.10	1.5 cSt Min.
High Temperature Stability, °C	8.53	7 – 11.5
Chemical Stability, °C	-1	+/- 3.0 °C. Max
Evaporation, %w/w	+1	+/- 3.0 °C. Max
Fluidity & Appearance @ -40 °C	61	80% Max
Water Tolerance @ -50 °C	Pass, 4 seconds	No freezing, Bubble time 10 sec. Max
Compatibility @ -40 °C	Pass, 8 seconds	No freezing, Bubble time 35 sec. Max
Colour, visual @ +60 °C	Clear, 3 seconds	10 seconds Max
Water Content, % @ +60 °C	Clear, No sediment	Sediment not to exceed 0.05% v/v
Density @ 20 °C, g/ml	Clear, No stratification	No stratification
	Clear, No sediment	Sediment not to exceed 0.05% v/v
	Pale Amber	Water white to amber
	< 0.20	Not required
	1.052	Not required

Advice

Advice on applications not covered in this leaflet may be obtained from your Univar representative

Health, Safety & Environment

Guidance on Health & Safety is available on the appropriate Material Safety Data Sheet, which can be obtained from www.univarlubricants.no www.univarlubricants.se www.univarlubricants.dk www.univarlubricants.fi

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