RAVENOL DOT 4 LV

ART.-NR. 1350605

| 1L |
1350605-001

SPECIFICATIONS ISO 4925 KLASSE 3 + 4 |ISO 4925 KLASSE 6 |FMVSS 116 DOT 3 |FMVSS 116 DOT 4 |SAE J1703 |SAE J1704
RECOMMENDATIONS VW 501 14 | FORD WSS-M6C65-A2

RAVENOL DOT 4 LV is a very high specification Brake and Clutch Fluid which conforms to and exceeds the latest ISO 4925 Class 6 standard.

The specific formulation of **RAVENOL DOT 4 LV** meets current international specifications US FMVSS 116 DOT 3, DOT 4, SAE J 1703, SAE J 1704 and ISO 4925 (Classes 3 & 4).

With its exceptional viscosity performance even at extremely Low Viskosity (max. 750 cSt @ -40°C) **RAVENOL DOT 4 LV** is especially recommended for use in the hydraulic brake and clutch systems of vehicles fitted with ESP / ASR (Electronic Stability Program) systems.

The safety potential of the aggregates is enhanced by the excellent properties of **RAVENOL DOT 4 LV** even at low temperatures.

RAVENOL DOT 4 LV mixes safely with other brake and clutch fluids that meet the above specifications.

Application Notes

RAVENOL DOT 4 LV brake fluid can be used in all vehicles where ISO 4925 Class 6 specification is required.

RAVENOL DOT 4 LV is recommended for use in the hydraulic brake and clutch systems of vehicles fitted with ESP / ASR (Electronic Stability Program) systems.

RAVENOL DOT 4 LV is also recommended for use in the hydraulic brake and clutch systems of all cars, commercial vehicles and motorcycles for which a non-petroleum based fluid of this type is specified.

RAVENOL DOT 4 LV brake fluid is miscible with all known brake fluids of the same specification.

To use the high performance level of **RAVENOL DOT 4 LV**, a complete change of the brake fluid is recommended.

RAVENOL DOT 4 LV is not suitable for vehicles with mineral oil systems (e.g. certain Citroën models).

FOLLOW VEHICLE MANUFACTURERS RECOMMENDATIONS WHEN ADDING BRAKE FLUID !

KEEP BRAKE FLUID CLEAN AND DRY. Contamination with dirt, water, petroleum products or other materials may result in brake failure or costly repairs. STORE BRAKE FLUID ONLY IN ITS ORIGINAL CONTAINER. KEEP CONTAINER CLEAN AND TIGHTLY CLOSED TO PREVENT ADSORPTION OF WATER. CAUTION! DO NOT REFILL CONTAINER AND DO NOT USE FOR OTHER LIQUIDS. Dispose of used brake fluid responsibly (EU waste code 160113)

Brake fluid damages paint work – if spilt wash off immediately with plenty of water.

Characteristics

RAVENOL DOT 4 LVoffers:

- OptimalABSproperties.
- Chemical stability.
- Highlubricating power.
- Neutral behavior towardsbrake parts.
- Low viscosityat LVs.
- Miscibilitywith allbrake fluidsof the same specification.

Property	Unit	Data	Audit
Colour		hellgelb	
Density at 20°C	kg/m³	1052	DIN EN ISO 12185
Boiling point	°C	267	FMVSS 116
wet boiling point	°C	172	FMVSS 116
Viscosity at -40°C	mPa*s	675	ASTM D445
Viscosity at 100°C	mm²/s	2,1	ASTM D445
pH- value		8,53	-
High Temperature Stability	°C	-1	FMVSS 116
Chemical Stability	°C	1	FMVSS 116
Evaporation loss	Gew%	61	FMVSS 116
Fluidity & Appearance at -40°C		i.O.., 4s	FMVSS 116
Fluidity & Appearance at -50°C		i.O., 8s	FMVSS 116
Water Tolerance at -40°C		klar, 3s	FMVSS 116
Water Tolerance at +60°C		klar, keine Ablagerungen	FMVSS 116
Compatibility at -40°C		klar, keine Phasentrennung	
Compatibility at +60°C		klar, keine Ablagerungen	FMVSS 116
Water content	Gew.-%	<0,2	Karl Fischer
Corrosion Resistance			

Property	Unit	Data	Audit
Tinned Iron	? mg/cm²	-0,3	FMVSS 116
_	Aussehen	gut	
Steel	? mg/cm²	-0,1	FMVSS 116
_	Aussehen	gut	
Aluminium	? mg/cm²	0	FMVSS 116
_	Aussehen	gut	
Cast Iron	? mg/cm²	-0,3	FMVSS 116
_	Aussehen	gut	
Brass	? mg/cm²	-0,8	FMVSS 116
_	Aussehen	gut	
Copper	? mg/cm²	-0,05	FMVSS 116
_	Aussehen	gut	
Zinc	? mg/cm²	0,01	FMVSS 116
_	Aussehen	gut	
Aussehen der Flüssigkeit		i.O.	FMVSS 116
Ablagerungen	%	<0,05	FMVSS 116
pH-Wert		8,2	FMVSS 116
Veränderung des Durchmessers von Gummi			
Veränderung der Härte	IRHD	-4	FMVSS 116
Erscheinungsbild		i.O.	FMVSS 116
Oxidationsbeständigkeit			
Tinned Iron	? mg/cm²	0,04	FMVSS 116
_	Aussehen	gut	
Aluminium	? mg/cm²	0,02	FMVSS 116
_	Aussehen	gut	
Beständigkeit gegen Gummi			

Property	Unit	Data	Audit
SBR bei 70°C	Ø Veränderung, mm	0,56	FMVSS 116
___	Volumen, %	6,21	FMVSS 116
_	Aussehen	gut	
SBR bei 120°C	Ø Veränderung, mm	0,73	FMVSS 116
__	Härte, IRHD	-7	FMVSS 116
___	Volumen, %	7,69	FMVSS 116
_	Aussehen	gut	
EPDM bei 70°C (Anforderung aus SAE J1703)	Härte, IRHD	-2	FMVSS 116
___	Volumen, %	1,39	FMVSS 116
_	Aussehen	gut	
EPDM bei 120°C	Härte, IRHD	-2	FMVSS 116
___	Volumen, %	1,91	FMVSS 116
_	Aussehen	gut	
Naturell bei 70°C (Anforderung aus ISO 4925)	Ø Veränderung, mm	0,38	FMVSS 116
__	Härte, IRHD	-5	FMVSS 116
___	Volumen, %	4,61	FMVSS 116
_	Aussehen	gut	

All information correspond to the best of our knowledge to the actual situation of the cognitions and our development. Subject to alterations. All references made to DIN-norms are only for the description of the goods. There is no guarantee. In case there will be any problems please contact the technical service.

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