

TECHNICAL DATA SHEET

Hydraulic Brake Fluid DOT5.1

Test required	Requirements	Typical results	Methods
1 Color	Colorless to amber	Light yellow	Visual
2 Original Equilibrium Reflux Boiling Point, °C	min. 260°C	275°C	FMVSS 116
3 Wet Equilibrium Reflux Boiling Point, °C	min. 180°C	182°C	FMVSS 116
4 Viscosity, mm ² /s: @ -40 °C (-40 °F) @ 100 °C (212 °F)	max. 900 mm ² /s min. 1.5 mm ² /s	865 2	ISO 4925 section 5.1 or ASTM D 445
5 pH	7 –11,5	7,5	ISO 4925 section 5.3 or ASTM D 664
6 High Temperature Stability, °C	max. 5°C	1,0	ISO 4925 section 5.4
7 <u>Wet corrosion at 100°C for 120 hrs.:</u> Metal strip weight change, mg/cm ² , max.			ISO 4925 section 5.5 ISO 4925 section 5.3 or ASTM D 664
Tinned iron	0,20	0,00	
Aluminum	0,10	0,00	
Cast iron	0,20	0,02	
Steel	0,20	0,02	
Copper	0,40	0,03	
Brass	0,40	0,04	
- Metal strip condition after interaction with liquid: Appearance of metal strips	No pitting or roughness. Slight color change (temper color) is permissible.	No pitting or roughness	
Brake fluid state -appearance; -pH index after test, within	Absence of jellification and crystal sediment. 7,0 -11,5	Absence of jellification and crystal sediment. 7,1	ISO 4925 section 5.3 or ASTM D 664
8 Effect on rubber: Specimen 7-2462: (at plus 70±2 °C within 72±2 hrs) -Volume change, %, max -hardness change, Shor A within Specimen 51-1524: (at plus 125±2 °C within 72±2 hrs) -Volume change, %, max -hardness change, Shor A within Appearance after testing	0 – plus 10 minus 10 - 0 0 – plus 10 minus 15 - 0	0,4 Minus 2 2,2 Minus3	ISO 4925 section 4.6
9 Specific gravity at 20°C, <u>g/cm³</u>	Actual data	1,0698	ASTM D 1122

10	Water tolerance At minus 40±1°C within 24±2 hrs - appearance - bubble flow time, s, max at 60±2 °C within 24±2 hrs - appearance	Clear and homogenous with no sediments 10 Clear and homogenous with no sediments	Clear and homogenous with no sediments 2 Clear and homogenous with no sediments	ISO 4925 section 5.7 or SAE J 1704, section 5.8
11	Water content, %	Actual data	0,06	ASTM D 1123

Brake Fluid DOT5.1 manufactured by UAB Greenlab Solutions meets the requirements of the Federal Motor Vehicle Safety Standard 116 as published in the Federal Register October 1, 2016 for DOT5.1 Motor Vehicle Brake Fluid.