TotalEnergies HBF 5.1

HIGH PERRORMANCE SYNTHETHIC BRAKE FLUID FORMULATED FOR HYDRAULIC BRAKE SYSTEM IN ORDER TO ENSURE SAFE BRAKING IN THE MOST SEVERE CONDITIONS

APPLICATIONS

DISC BRAKES

ALL BRAKE CIRCUITS

MISCIBILITY

- Particularly suitable for brake circuits operating in very severe conditions.
- Exactly right for all brake circuits for which the manufacturer requires a synthetic fluid meeting the standards indicated below.
- *IMPORTANT*: This synthetic fluid can be mixed with all other synthetic fluids whose chemistry is of the type DOT 3, DOT 4 or DOT 5.1, except for the DOT 5 silicone fluids and the special fluids of type LHM.

PERFORMANCES

- SAE J 1704
- FMVSS 116 DOT 5.1
- ISO 4925

CUSTOMER BENEFITS

FLOW PROPERTIES AND PERFORMANCE WHEN COLD

DIFFICULT TO COMPRESS

NO CORROSION

HIGH RESISTANCE

- This brake fluid has good flow properties at low temperature and excellent performance when cold. The viscosity is appropriate for normal and high temperatures.
- This fluid has a high boiling point, even after an extended period at high temperature. In the presence of moisture, the fall in the boiling point remains low. This guarantees the incompressibility of the product and the safety of the user (no « vapour lock »).
- Low hygroscopy/limited water take-up. Compatible with natural and synthetic rubber parts used in the circuits.
- The fluid is not corrosive to the metals in the circuit (tested on tinned metal, steel, aluminium, cast iron, brass and copper).
- Low evaporation rate. High resistance to the formation of deposits and sludge.

CHARACTERISTICS

HBF 5.1	Units	SAE Grade
Density at 20°	kg/dm3	1,07
Kinematic viscosity at -40 °C	mm^2/s	900
Kinematic viscosity at 100 °C	mm^2/s	1,5
Boiling point	°C	260
Boiling point after water take-up	°C	180

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