



HBF 3

SYNTHETIC FLUID FOR BRAKE SYSTEMS

USES

- TOTAL HBF 3 is recommended for brake and clutch systems of all vehicles using synthetic fluids when a DOT 4 level or higher is not required.
- TOTAL HBF 3 meets the specifications SAE J 1703, ISO 4925 and FMVSS 116 DOT 3.
- TOTAL HBF 3 is miscible with all other synthetic fluids of similar quality.
- TOTAL HBF 3 is not miscible with mineral based fluids (LHM) and silicon based fluids.

PROPERTIES

- Synthetic fluid.
- High dry and wet boiling points adjusted to high temperatures encountered in braking systems : prevents "vapour lock".
- Resistant to moisture absorption.
- Viscosity suitable at cold as well as high temperatures.
- Provides corrosion protection for metals used in braking systems : cast iron, aluminium, steel, copper, brass etc.
- Compatible with rubber seals and hoses.

CHARACTERISTICS

HBF 3	Units	
Volumetric mass at 15°C	kg/m ³	1040
Viscosity at - 40°C (max)	mm ² /s	1500
Viscosity at 100°C (min)	mm ² /s	1,5
Dry boiling point ERBP (min)	°C	205
Wet boiling point WERBP (min)	°C	140
Flash Point Pensky Martens	°C	110

The typical characteristics mentioned represent mean values.

SPECIFICATIONS

SAE J 1703
FMVSS 116 DOT 3
ISO 4925

This lubricant, when used in accordance with our recommendations and for the application for which it is intended, does not constitute a special hazard
A safety data file conforming to the requirements of current EC legislation is available from your local trade consultant

02/21/1996

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