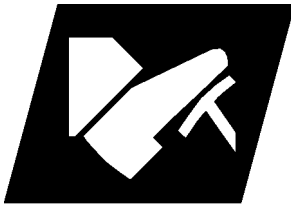


# HBF 3



## SYNTHETIC FLUID FOR BRAKE SYSTEMS

### APPLICATIONS

- 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 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.

### PERFORMANCES

- SAE J 1703
- FMVSS 116 DOT 3
- ISO 4925 Class3

### CUSTOMER BENEFITS

- Synthetic fluid.
- Very high dry and wet boiling points adjusted to high temperatures encountered in braking systems : prevents from "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              | SAE Grade |
|---|--------------------|-----------|
| Volumetric mass at 15°C                                       | kg/dm <sup>3</sup> | 1.04      |
| Viscosity at - 40°C (max) (Spec KV-40<1800mm <sup>2</sup> /S) | mm <sup>2</sup> /s | 1500      |
| Viscosity at 100°C (min)                                      | mm <sup>2</sup> /s | 1,5       |
| Dry boiling point ERBP (min)                                  | °C                 | 230       |
| Wet boiling point WERBP (min)                                 | °C                 | 140       |
| Flash point Pensky Martens                                    |                    | 110       |

The typical characteristics mentioned represent mean values.