

PRODUCT DATA

Castrol Hydraulic System Mineral Oil Plus

PRODUCT DESCRIPTION

Castrol Hydraulic System Mineral Oil Plus (HSMO Plus) is a specially formulated mineral fluid for use in powered hydraulic systems where a mineral oil is specified.

PRODUCT APPLICATION

Castrol Hydraulic System Mineral Oil Plus is for use in hydraulic systems in later Rolls Royce and Bentley cars. It is for use in powered hydraulic systems which use a pump to drive components such as brake actuation and suspension leveling. Such a systems I.D. used in all Rolls Royce systems with serial numbers 50.001 onwards and identification numbers from SCA 0000 ACH 01001 onwards. These vehicles, manufactured after 1979, possess special reservoirs which prevent contamination with any other fluids.

Castrol HSMO Plus is also suitable for use where Citroen LHM or LHM Plus is specified. Also suitable for certain Jaguar hydraulic systems (green reservoir).

This product should **NOT** be mixed with conventional polyglycol brake fluids (i.e. DOT 3, 4 Super DOT 4 or 5) or used where this type of fluid is recommended. Use in such systems will result in **brake system failure**.

PRODUCT FEATURES & BENEFITS

- High viscosity index
- Very shear stable
- Fully compatible with all elastomers currently in use in automotive hydraulic systems
- Viscosity remains relatively constant under normal operating conditions
- Retains viscosity profile throughout life of the oil
- No need to change seals

Note: For hydraulic systems fitted to earlier models of Rolls Royce, the use of RR363 is recommended. The use of this fluid was phased out in 1980 and vehicles using this fluid have a metal reservoir.

TYPICAL CHARACTERISTICS

Colour	KV @ 100 °C (cSt)	KV @ 40 °C (cSt)	Relative Density @20°C	Pour Point (°C)	Flash Point (°C)	Viscosity Index
Clear green Liquid	6.14	17.9	0.860	-60	121	340

HEALTH, SAFETY & ENVIRONMENT

Castrol Hydraulic System Mineral Oil Plus is considered hazardous in accordance with the HSNO Act. Reproductive / Developmental Toxicity – Toxicity Class – 6.8B, Acutely Toxic – Toxicity Class – 6.1D.

However in line with safe handling practices, it is recommended that the handling instructions outlined in the Castrol Material Safety Data sheet be followed.

Spillage

- Small:** Soak up using an inert mineral adsorbent such as Castrol MOP S and dispose of in the appropriate manner.
- Large:** Corrective action usually dictated by individual company safety procedures. Immediate containment and subsequent removal is essential.
- Disposal:** Oily materials must not be allowed to enter groundwater, watercourses, sewerage or drainage systems. Refer to local Waste Disposal Authority for legal requirements.

Product Removal

- Bare Metal Surfaces:** Remove with Castrol solvent cleaners or water based degreasers.
- Hand Cleaning:** Use any of the Castrol range of hand cleaners, e.g. CareClean Plus.
- Other Surfaces:** Contact the Castrol Technical Advice Line on 0800 10 40 60.

23/06/2010

Although all reasonable care has been taken to ensure that the information contained in this publication is accurate as at the time of printing, such information is nevertheless liable to variation in the event of changes occurring subsequent to the date of printing it: the blend formulation, methods of storage, or due to the improper handling or application of any of the products referred to, or in the requirements of any specification or approval relating to any of the products.

For more information contact: Castrol NZ (A Business Division of BP Oil New Zealand Limited)
Technical Advice Line: 0800 10 40 60
Customer Service: 0800 CASTROL (227 876)

