

# Product Data Sheet

## Mobil ATF SHC High Performance Synthetic Universal Automatic Transmission Fluid

### Product Description and Application

Mobil ATF SHC is a multifunctional synthetic transmission fluid for automatic and powershift transmissions. It is also suitable for use in mobile plant hydraulic systems and industrial applications.

Mobil ATF SHC is manufactured from synthesised hydrocarbon base fluids and an additive system which is fully compatible with petroleum based ATF fluids and all common seal materials. The synthetic fluid is superior to petroleum products, having better thermal and oxidation stability, a higher inherent viscosity index, maintaining optimum viscosity and performance over a wide range of operating temperatures, extremely low pour point and improved low temperature fluidity. The wide temperature performance characteristics are achieved without viscosity index improvers and consequently the product is completely shear stable.

Mobil ATF SHC has exhibited good stability under the most severe conditions, for example in torque converters, planetary gear sets, wet clutches and automatic transmission hydraulic servo mechanisms.

Mobil ATF SHC is also recommended for use in Sperry Vickers, Denison and Sundstrand hydraulic pump systems and transmissions requiring a product meeting the following specifications:

- Ford M2C 138 CJ
- Ford M2C 166-H
- Caterpillar TO-2

### Benefits

Mobil ATF SHC offers the following benefits:

- Out performs all conventional multipurpose ATF fluids
- Improved thermal stability and durability at high operating temperatures:
  - reduced deposits
  - longer clutch life
  - lower maintenance costs
- Improved low temperature fluidity:
  - better lubrication
  - improved efficiency
  - improved durability
- Improved environmental compatibility:
  - extended drain intervals
  - reduced fluid disposal
  - improved utilisation of fleet resources

## Specifications

Mobil ATF SHC is approved against all the key automatic transmission equipment builders specifications world-wide:

- Allison C-4 (C4-18231693)
- Dexron IIE (E-25300)
- Ford Mercon (M-921202)
- MAN 339C
- Mercedes Benz 236.8
- Renk Doromat
- ZF TE-ML 09 for power steering
- ZF TE-ML 14 for heavy duty 'Ecomat' transmissions - Extended Drain
- Voith (Extended Drain )

## Health and Safety

Based on available toxicological information, it has been determined that this product poses no significant health risk when used and handled properly.

Details on handling, as well as health and safety information, can be found in the Material Safety Data Bulletin which can be obtained through Mobil Oil Company Ltd., by telephoning 01372 22 2000.

Typical physical characteristics are given in the table. These are intended as a guide to industry and are not necessarily manufacturing or marketing specifications.

## Typical Characteristics

### Mobil ATF SHC

Relative Density 15/4 °C	0.838
Viscosity, cSt at 40°C	33
Viscosity, cSt at 100°C	7.4
Brookfield viscosity, cP at -40°C	7000
Viscosity Index	200
Pour Point, °C	-42
Flash Point, °C COC	210
Colour	Red

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Due to continual product research and development, the information contained herein is subject to change without notice.

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