

# Product Data Sheet

## ATF HD C4

### Description and Applications

**Saheli ATF HD C4** series are specially designed for heavy duty automatic and powershift transmissions on off-highway equipment used in earthmoving, mining logging, road transport and agricultural applications and requiring Allison C-4 quality fluids. These oils are blended from highly refined base oils and proven performance additives to provide enhanced wear protection, thermo-oxidative stability, frictional characteristics and rust and corrosion protection. These oils are tested and evaluated in accordance with the Allison C4 Automatic Transmission Fluid Specification (TES-228) and offer satisfactory performance when used in most Allison C4 transmissions.

### Features and Benefits

- Improved thermo-oxidative stability and protection of metal surfaces against scuffing and wear gives longer oil and equipment life
- Very good control of frictional properties prevents clutch slippage and ensures smoother operation of transmissions and brakes
- Provides good protection against rust and corrosion to precision equipment components when operating in humid conditions
- Excellent foam control ensures effective wet brake and transmission performance and controls brake chatter
- Good compatibility with all common seals, O rings, packing materials and clutch materials leads to reduced downtime
- Very good low temperature fluidity (SAE 10W grade) ensures quick startup of equipment

### Applications

- Automatic and Powershift transmissions requiring Allison C-4 quality fluids
- Heavy duty manual transmissions, gear boxes, final drives and hydraulic systems used in off-highway equipments for Earthmoving, agricultural, logging, construction and mining applications requiring fluids meeting Allison C-4 fluid requirements.
- Industrial torque converters and hydraulic systems where such type of fluids are specified

**Not suitable for use in Allison 1000/ 2000/ 2400 and MD/ HD/ B Series™ Transmissions.**

### Specifications

- Allison C-4 Automatic Transmission Fluid Specification (TES-228)

Test Parameters	Test Method	Typical results	
<b>SAE Viscosity Grade</b>		<b>10W</b>	<b>30</b>
Density @ 15°C gm/cm <sup>3</sup>	ASTM D1298	0.8918	0.8985
Viscosity Index	ASTM D2270	110	100
Viscosity @ 100°C (cSt)	ASTM D 445	6.0	10.7
Pour Point °C	ASTM D 97	-39	-27
Flash Point (COC) °C	ASTM D 92	220	234

The information contained in this data sheet are indicative and correspond to the date of publication of this document. The above data are based on laboratory tests. It is the reader's interest to ensure whether the most recent version of the data sheet. A safety data sheet is available on request by our sales consultant. For more information, please contact the sales department.