

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	
SAE Viscosity Grade		10W	30
Density @ 15°C gm/cm3	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