

Product Data Sheet

PowerShift T4

Description and Applications

Saheli PowerShift T4 series is specifically designed for powershift transmissions, final drives and wet brakes on heavy duty off-highway equipment used in earthmoving, mining logging, road transport and agricultural applications. These oils are blended from premium quality base oils and proven performance additives to provide enhanced wear protection, thermo-oxidative stability, frictional characteristics and rust and corrosion protection.

Saheli PowerShift T4 is available in SAE grades **10W, 30, 50** and **60**.

Features and Benefits

- Improved thermo-oxidative stability and protection of metal surfaces against scuffing and wear gives longer oil and equipment life
- Excellent 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
- Keeps metal parts free of sludge and varnish leading to reliable operation
- 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

Recommended Applications

- Powershift and automatic transmissions, wet brake, torque converters and hydrostatic systems requiring these 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 the below mentioned specifications.
- Industrial torque converters and hydraulic systems where such type of fluids are specified

Specifications

- **API CF-2, CF**
- Caterpillar TO-4, Allison C4
- Komatsu KES 07.868.1, ZF TE-ML 03

Test Parameters	Test Method	Typical Results			
		10W	30	50	60
SAE Viscosity Grade					
Density @ 15°C gm/cm ³	ASTM D1298	0.895	0.902	0.908	0.895
Viscosity Index	ASTM D2270	100	95	96	100
Viscosity @ 100°C (cSt)	ASTM D 445	7.12	10.88	18.4	25.6
Pour Point °C	ASTM D 97	-24	-15	-12	-10
T.B.N mg KOH/gm	ASTM D 2896	7.56	7.56	7.56	7.56
Flash Point (COC) °C	ASTM D 92	182	238	248	255

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.