TECHNICAL DATA SHEET
ORIANT TRANSMISSION TO-4 SAE 50 API GL-4

Description and Application:

ORIANT Transmission oil TO-4 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.

Application:

- Powershift and automatic transmissions, wet brake, torque converters and hydrostatic systems requiring these quality fluids.
- Hydrostatic systems requiring these quality fluids.
- Heavy duty transmission, gear boxes, final drive and hydraulic systems used in off-highway equipment and Earthmoving, Agriculture, Construction and Mining applications.

Main Benefits:

- Excellent control of frictional properties prevents clutch slippage and ensures smoother operation of transmission 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.

Specification:

- **API GL-4**
- **Caterpillar TO-4, Allison C-4**
- **Komatsu KES 07.868.1**

Typical Characteristics

Sr. No	Test Parameters *SAE Viscosity Grade*	Test Method	Typical *50*
1	Appearance	Visual	Clear & Bright
2	Density @ 15°C gm/cm3	ASTM D1298	0.905
3	Viscosity Index	ASTM D2270	98
4	Viscosity @ 100°C (cSt)	ASTM D 445	19
5	Pour Point °C	ASTM D 97	-12
6	Flash Point (COC) °C	ASTM D 92	252

The above figures are typical of those obtained with normal production tolerance and do not constitute specifications.