
DELTATRANS TRANSMISSION HYDRAULIC OIL**SAE 10W, 30, 50**

High Performance multi-purpose oil manufactured for both on and off highway service applications in transmissions, final drives and hydraulic systems in Allison, Caterpillar, Dana Powershift, Komatsu, Komatsu Dresser, Tremec/TTC, Vickers and ZF equipment

Description

DeltaTrans Transmission and Hydraulic oil is suitable for newly developed and older drive train components with excellent friction control to prevent clutch slippage providing quiet and efficient smooth transmission and brake operations.

DeltaTrans provides increased load carrying capacity to protect metal surfaces against scuffing and wear in which severe operating conditions of high temperature and high load are encountered.

DeltaTrans offers ultra-fine filtration which provides exceptional fluid cleanliness and equipment reliability performance. Included in cleanliness performance is reliable operation to maintain metal parts clean and free from varnish and sludge deposits.

DeltaTrans provides component durability, cleanliness of gear sets and oil pumps, stay-in-grade viscosity due to advanced chemistry for on and off highway operations.

Application

DeltaTrans oils are for use in heavy transmissions, final drives and hydraulics requiring Allison C4 and Caterpillar TO-4 level performance. Suitable for highway transport, marine, construction, mining, quarrying and agricultural equipment.

Benefits

- Wear protection and cleanliness of all transmission, final drive and hydraulic components
- Thermal temperature and oxidation durability and stability
- High filterability for fluid cleanliness
- Lubrication and protection of seals that maintains elastomisation
- Rust and copper corrosion protection
- Prevention of foaming

Recommendation

DeltaTrans is recommended for use in Caterpillar, Komatsu transmissions, final drives and wet brakes, and where Allison, Dana Powershift, Tremec/TTC, Vickers and ZF transmissions, torque converters and hydraulics systems are used.

TECHNICAL DATA SHEET



Specifications

ALLISON C-4 (SAE 10W, 30)
CATERPILLAR TO-4
DANA POWERSHIFT (SAE 10W, 30)
KOMATSU KES 07.868.1
KOMATSU DRESSER
TREMEC/TTC
VICKERS 35VQ25 (SAE 10W, 30)

HYDRAULICS:

SAE 10W and 30 are recommended for mobile hydraulic systems under severe conditions under ambient temperatures.

FINAL DRIVES:

SAE 50 for use in normal ambient temperatures.

TRANSMISSIONS:

SAE 10W, 30 or 50 are recommended for heavy duty off highway automatic transmission.

ZF SPECIFICATIONS:

TE-ML 03C (SAE 10W, 30)
TE-ML 07F (SAE 30)

TEST DESCRIPTION	ASTM	TEST RESULT		
		Clear/Amber	Clear/Amber	Clear/Amber
Description	Visual	Clear/Amber	Clear/Amber	Clear/Amber
SAE Viscosity Grade		10W	30	50
Viscosity, cSt @ 40°C, mm ² /s	D-445	42.75	88.3	193.6
Viscosity, cSt @ 100°C, mm ² /s	D-445	6.9	11.0	18.9
Viscosity Index	D-2270	113	111	110
Density @ 15°C, kg/L	D-4052	0.866	0.874	0.883
Viscosity, Brookfield, cP @ -15°C	D-2196	1,634	5,374	17,927
Pour Point, °C	D-5950	-33	-28	-27
Flash Point (COC), °C	D-92	239	265	267
PRODUCT CODE		90550	90551	90552

90550-52v20 DG/GS 2/20

Typical formulation specifications at time of production, minor variations may occur.