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

**Premium Performance multi-purpose oil manufactured from HYDRO-SYN™ base fluids 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**

DuraTrans 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.

DuraTrans 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.

DuraTrans 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.

DuraTrans 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**

DuraTrans 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**

- Stay-in-grade shear stability improving long term boundary and hydrodynamic viscosity protection
- Wear protection and cleanliness of all transmission, final drive and hydraulic components
- High thermal temperature and oxidation durability and stability
- High filterability for fluid cleanliness
- Lubrication and protection of seals that maintains elastomisation
- Improved oil fluidity in colder weather due to HYDRO-SYN™ base oils
- Rust and copper corrosion protection
- Prevention of foaming

**Recommendation**

DuraTrans 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 <sup>2</sup> /s	D-445	42.2	88.3	193.6
Viscosity, cSt @ 100°C, mm <sup>2</sup> /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
<b>PRODUCT CODE</b>		<b>88850</b>	<b>88851</b>	<b>88852</b>

88850-52v20 DG/GS 2/20

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