



DYNATRANS ACX

10W – 30 – 50



Lubricant for **hydraulic systems** and **transmission components** (axles or gearboxes) equipped with specific **friction materials** in oil-immersed brakes and clutches of off-highway machinery

SPECIFICATIONS AND APPROVALS

	DYNATRANS ACX 10W	DYNATRANS ACX 30	DYNATRANS ACX 50
Manufacturer approvals	ZF TE-ML 03C	ZF TE-ML 03C ZF TE-ML 07F	
Meets the requirements of	API GL-4 / CF CATERPILLAR TO-4 ALLISON C4 (obsolete) KOMATSU Micro-clutch test	API GL-4 / CF ZF TE-ML 07D CATERPILLAR TO-4 ALLISON C4 (obsolete) KOMATSU Micro-clutch test	API GL-4 / CF CATERPILLAR TO-4 KOMATSU Micro-clutch test
Suitable for	HITACHI, JCB, VICKERS, etc...	DANA, EATON-FULLER, JCB, VICKERS, etc...	DANA, EATON-FULLER, MERITOR ROCKWELL, JCB, VOLVO, etc...

APPLICATIONS

TOTAL DYNATRANS ACX 10W, 30 & 50 are adapted to **hydraulic systems, powershift gearboxes, axles and final drives** when the manufacturer recommends a fluid meeting CAT TO-4 or one of the above-mentioned specifications.

TOTAL DYNATRANS ACX is recommended for Mining, Earthmoving and Construction machinery between -20°C and +50°C:

- SAE 10W grade is mainly used in hydraulic systems
- SAE 30 grade is mainly used in powershift gearboxes
- SAE 50 grade is mainly used in axles and final drives

For temperatures below -20°C, the use of DYNATRANS ACX 0W-20 is strongly advised.

PERFORMANCE AND CUSTOMER BENEFITS

- Excellent anti-wear and anti-corrosion properties, increasing the durability of the lubricated machine components
- Good compatibility with respect to elastomers, without aggressiveness to seals, gaskets and rubber hoses
- The SAE 10W grade has very fast air-release time and good filterability, minimizing cavitation risk in hydraulic pumps
- Friction properties adapted to the types of CATERPILLAR, KOMATSU and other heavy machinery friction materials
- Very shear stable viscosities preserving the volumetric efficiency of hydraulic pumps
- Very fluid at low temperatures, they are immediately active when starting the equipment in cold climates
- Formulated with selected base oils associated to a recently developed chemistry, they provide to the end user, better oxidation resistance at high temperatures, together with potential for oil drain interval extension
- Emulsifying, they fully keep moisture condensation in emulsion and avoid any pump breakage during winter or rapid degradation during summer

PHYSICAL AND CHEMICAL CHARACTERISTICS*

TOTAL DYNATRANS ACX		Method	10W	30	50
Kinematic Viscosity at 40°C	mm ² /s	ASTM D445	41	93	195
Kinematic Viscosity at 100°C	mm ² /s	ASTM D445	6.6	11.2	18.4
Viscosity Index	-	ASTM D2270	118	107	104
Pour Point	°C	ASTM D97	-36	-30	-21
Zinc content (min)	ppm	ICP	900	900	900

* The features mentioned above are average values obtained with some variability in production and do not constitute a specification.

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www.lubricants.total.com



This lubricant does not cause adverse health effects when used in the intended application.
A safety datasheet is accessible on request from your local dealer or on the website www.quickfds.com