



# DYNATRANS ACX

## 10W – 30 – 50



Lubricant for **hydraulic systems and transmission components** (axles or gearboxes) equipped with specific oil-immersed **brake friction discs and clutch systems**.

### SPECIFICATIONS AND APPROVALS

	DYNATRANS ACX 10W	DYNATRANS ACX 30	DYNATRANS ACX 50
<b>Manufacturer Approvals</b>	ZF TE ML 03C	ZF TE ML 03C ZF TE ML 07F	
<b>Meets the requirements of</b>	CATERPILLAR TO-4 ALLISON C4 (Obsolete) KOMATSU Micro-clutch test (JCMAS)	CATERPILLAR TO-4 ALLISON C4 (Obsolete) KOMATSU Micro-clutch test (JCMAS)	CATERPILLAR TO-4 KOMATSU Micro-clutch test (JCMAS)
<b>Suitable in Transmissions</b>	DANA, EATON-FULLER, ROCKWELL, JCB, etc...	DANA, EATON-FULLER, ROCKWELL, JCB, etc...	DANA, EATON-FULLER, ROCKWELL, JCB, etc...

### APPLICATIONS

**TOTAL DYNATRANS ACX 10W, 30 & 50** are adapted to **hydraulic systems, powershift gearboxes, axles, wet brakes 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 applications.

- 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

**TOTAL DYNATRANS ACX 10W and 30** could be used in replacement of **CATERPILLAR HYDO Advanced 10, 20 and 30**, with a drain interval extension up to 3000 working hours or more, with regular oil analysis.

### PERFORMANCES AND CUSTOMER BENEFITS

- Excellent anti-wear and anticorrosion properties, increasing the durability of the lubricated components
- Good performance with respect to seals, without aggressiveness to the hydraulic hoses.
- The 10W grade has a very fast air-release time and good filterability, avoiding any cavitation risks in hydraulic pumps
- Friction properties adapted to the types of CATERPILLAR, KOMATSU and other construction machinery friction materials
- Very shear stable viscosities preserving the hydraulic pump volumetric efficiency
- Very fluid at low temperatures, they are immediately active when starting in cold climate
- Formulated with selected base oils associated to a recently developed chemistry, they provide to the end user, a better oxidation resistance at high temperature together with a drain interval extension
- Emulsifying, they fully keep condensation water in emulsion and avoid pump failures during winter or rapid degradation in summer

### PHYSICAL AND CHEMICAL CHARACTERISTICS\*

TOTAL DYNATRANS ACX		Method	10W	30	50
Kinematic Viscosity at 40°C	mm <sup>2</sup> /s	ASTM D445	41	93	195
Kinematic Viscosity at 100°C	mm <sup>2</sup> /s	ASTM D445	6.6	11.2	18.4
Viscosity Index	-	ASTM D2270	118	107	104
Pour Point	°C	ASTM D97	-33	-27	-18
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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**TOTAL DYNATRANS ACX 10W – 30 – 50**

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[www.lubricants.total.com](http://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](http://www.quickfds.com)