

DYNATRANS ACX 10W – 30 – 50

*Lubricant for **hydraulic systems** and **transmission components** (axles or gearboxes) equipped with specific **brake friction discs***

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 CATERPILLAR HYDO Advanced 10 ALLISON TES 439 ALLISON C4 (Obsolete) KOMATSU Micro Clutch test (JCMAS)	API GL-4 / CF CATERPILLAR TO-4 CATERPILLAR HYDO Advanced 30 ALLISON TES 439 ALLISON C4 (Obsolete) KOMATSU Micro Clutch test (JCMAS)	API GL-4 / CF CATERPILLAR TO-4 KOMATSU Micro Clutch test (JCMAS)
Suitable in Transmissions	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** 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 should be used in replacement of **CATERPILLAR HYDO Advanced 10, 20 and 30**, with a drain interval extension up to 3000 working hours and more, within regular oil analysis.

PERFORMANCES AND CUSTOMER BENEFITS

- Excellent anti-wear and anticorrosion properties, increasing the durability of the lubricated organs
- Good performance with respect to seals, without aggressiveness to the pipes
- The 10W grade has a very fast air-release time and a good filterability, avoiding any cavitation risks in hydraulic pumps
- Friction properties suitable to the types of CATERPILLAR, KOMATSU and other Construction & Mining machinery
- Very shear stable viscosities preserving the hydraulic pumps volumetric efficiency
- Very fluid at low temperatures, they are immediately active when starting by 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 draining interval extension
- Emulsifying, they fully keep condensation water in emulsion and avoid any pump breaks in Winter or rapid degradation in 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
Oxidation stability	h	ASTM D943	> 5000	> 5000	

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

TOTAL LUBRIFIANTS
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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