Dynatrans ACX 10W - 30 - 50

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

KEY DATA

	Dynatrans ACX 10W	Dynatrans ACX 30	Dynatrans ACX 50
Manufacturer Approvals	ZF TE-ML 03C DANA-OHTM-TO10W	ZF TE-ML 03C ZF TE-ML 07F	
Meets the requirement of	API GL-4 / CF CATERPILLAR TO-4 CATERPILLAR HYDO Advanced 10 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 For	HITACHI, KOMATSU, DANA, EATON-FULLER, ROCKWELL, JCB, etc...	KOMATSU, DANA, EATON-FULLER, ROCKWELL, JCB, etc...	KOMATSU, DANA, EATON-FULLER, ROCKWELL, JCB, etc...

APPLICATIONS

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

Dynatrans ACX range 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 transmissions.
- SAE 50 grade is mainly used in axles & final drives

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 & CUSTOMER BENEFITS

- Excellent anti-wear and anticorrosion properties, increasing the durability of the lubricated parts
- Good performance with respect to seals, without aggressiveness to rubber hoses
- Friction properties suitable to CATERPILLAR, KOMATSU and other Construction & Mining machinery providing long transmission life
- Very shear-stable viscosity preserving the hydraulic pump volumetric efficiency
- Good fluidity at low temperatures, providing good fluid flow during start-up
- Formulated with selected base oils associated to recently developed chemistry, providing better oxidation resistance at high temperatures
- Emulsifying property of the oil fully keeps water condensation in emulsion and prevents pump failures in the winter or rapid oil degradation in summer.

PHYSICAL AND CHEMICAL CHARACTERISTICS*

Dynatrans ACX	UNIT	TEST METHOD	SAE 10W	SAE 30	SAE 50
Kinematic Viscosity at 40 °C	mm^2/s	ASTM D445	41.5	101.5	195
Kinematic Viscosity at 100 °C	mm^2/s	ASTM D445	6.7	11.3	18.4
Viscosity Index	-	ASTM D2270	116	97	104
Pour Point	°C	ASTM D97	-39	-36	-21
Zinc content	ppm	ICP	>900	>900	>900
Oxidation Stability	Hrs	ASTM D943	>5000	>5000	
FZG (A/8.3/90)	FLS	ASTM D5182	>12	>12	>12

* The characteristics given above are obtained with a standard tolerance threshold during production and may not be considered specifications.

RECOMMENDATIONS FOR USE

Before using the product, the vehicle's maintenance guide should be checked. Oil changes should be carried out in accordance with the manufacturer's recommendations.

The product should not be stored at temperatures over 60°C. It should be kept away from sunlight, intense cold and extreme temperature fluctuations. If possible, the packaging should not be exposed to the elements. Otherwise, the drums should be laid horizontally in order to avoid any contamination from water and to prevent the product's label from rubbing off.

HEALTH, SAFETY AND THE ENVIRONMENT

Based on the toxicological information available, this product should not cause any adverse health effects, provided it is used for its intended purpose and in accordance with the recommendations laid out in the Safety Data Sheet (SDS).

This can be obtained on request from your local reseller and is available for consultation at https://ms-sds.totalenergies.com.

This product should not be used for any purposes other than the ones for which it is intended.

TotalEnergies

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