



# DYNATRANS ACX

## 10W – 30 – 50



**TOTAL**

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<br>ZF TE ML 07F                                                                                                                 |                                                                  |
| Meets the requirements of | API GL-4 / CF<br>CATERPILLAR TO-4<br>CATERPILLAR HYDO Advanced 10<br>ALLISON TES 439<br>ALLISON C4 (Obsolete)<br>KOMATSU Clutch test (JCMAS) | API GL-4 / CF<br>CATERPILLAR TO-4<br>CATERPILLAR HYDO Advanced<br>30 ALLISON TES 439<br>ALLISON C4 (Obsolete)<br>KOMATSU Clutch test (JCMAS) | API GL-4 / CF<br>CATERPILLAR TO-4<br>KOMATSU Clutch test (JCMAS) |
| Suitable in Transmissions | DANA, EATON-FULLER,<br>ROCKWELL, JCB, etc...                                                                                                 | DANA, EATON-FULLER,<br>ROCKWELL, JCB, etc...                                                                                                 | DANA, EATON-FULLER,<br>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 adapted to the types of CATERPILLAR, KOMATSU and other machinery friction materials
- 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 <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   | -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**  
562, avenue du Parc de l'Ile  
92029 Nanterre cedex  
FRANCE

**TOTAL DYNATRANS ACX 10W – 30 – 50**

Update 12/2020

[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)