



TotalEnergies

Dynatrans AC 10W - 30 - 50

Lubricant for **hydraulic systems** and **transmission components** (axles or gearboxes) equipped with specific **brake friction discs**, used in very low ambient temperature.

KEY DATA



- ✓ CONSTRUCTION
- ✓ MINING & QUARRYING
- ✓ EARTHMOVING

SPECIFICATIONS AND APPROVALS

| | Dynatrans AC 10W | Dynatrans AC 30 | Dynatrans AC 50 |
|-------------------------------------|--|--|--|
| Manufacturer Approvals | ZF TE ML 03C | ZF TE ML 03C ZF TE ML 07F | |
| Meets the requirement of | API GL-4 / CF CATERPILLAR TO-4 ALLISON TES 439 ALLISON C4 (Obsolete) KOMATSU Micro Clutch test (JCMAS) | API GL-4 / CF CATERPILLAR TO-4 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 of | CATERPILLAR, KOMATSU, DANA, EATON-FULLER, ROCKWELL, JCB, etc... | CATERPILLAR, KOMATSU, DANA, EATON-FULLER, ROCKWELL, JCB, etc... | CATERPILLAR, KOMATSU, DANA, EATON-FULLER, ROCKWELL, JCB, etc... |

APPLICATIONS

Dynatrans AC 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 AC 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



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PERFORMANCES AND 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 AC | UNIT | TEST METHOD | SAE 10W | SAE 30 | SAE 50 |
|--------------------------------------|--------------------|-------------|---------|--------|--------|
| Kinematic Viscosity at 40 °C | mm ² /s | ASTM D445 | 37 | 105 | 225 |
| Kinematic Viscosity at 100 °C | mm ² /s | ASTM D445 | 6 | 12 | 19 |
| Viscosity Index | - | ASTM D2270 | 106 | 104 | 95 |
| Pour Point | °C | ASTM D97 | -30 | -24 | -12 |

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

RECOMMENDATIONS FOR USE

Before using the product, it is important to check the service manual of the vehicle: the drain is carried out according to the manufacturer's requirements. The product should not be stored at a temperature above 60 °C. Exposure to strong sunlight, extreme cold or high temperature variations must be avoided. All packages should be protected from bad weather conditions. The drums should be stored horizontally to avoid a possible contamination by water and the damage of the product label.

HEALTH, SAFETY AND THE ENVIRONMENT

Based on available information, this product does not cause adverse health effects when used in the intended application and the recommendations provided in the Safety Data Sheet (MSDS) are followed. This can be obtained on request from your local reseller and is available for consultation at <https://ms-sds.totalenergies.com/TotalPullWebsite/en>. This product should not be used for applications other than those for which it is intended. If disposing of used product, take good care to protect the environment and comply with local regulations.

TotalEnergies Lubrifiants – Immeuble Spazio
562, avenue du Parc de l'île
92029 Nanterre cedex
France

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