

TDTO SAE 30

This is a lubricant, specifically formulated to meet the requirements of Caterpillar for use in transmissions, final drives and wet brakes (Cat TDTO).

APPLICATIONS

This oil is developed for use in Caterpillar friction devices, such as power shift transmissions, clutches and brakes and other parts such as final drives, bevel gears and differentials. It surpasses CAT TO-2 and Allison C-3 and may also be used for these applications.

FEATURES

- Cold Start: good fluidity at low temperature
- Anti-wear and oxidation stability: proven protection of critical parts

PERFORMANCE PROFILE

SPECIFICATIONS

| | | | |
|-------------------|-----------------------------|--------------------------|----------------|
| API - CF | CATERPILLAR - HYDO Advanced | EATON FULLER - SFU | ROCKWELL - SFU |
| API - GL-4 | 30 | EATON VICKERS - I-280-S | ZF - TE-ML 03C |
| ISO - 100 | CATERPILLAR - TO-2 | EATON VICKERS - M-2950-S | ZF - TE-ML 07D |
| ALLISON - C4 | CATERPILLAR - TO-4 | JCB - SFU | ZF - TE-ML 07F |
| ALLISON - TES 439 | DANA - SFU | KOMATSU - KES 07.868.1 | |

TYPICAL CHARACTERISTICS

| TEST | METHOD | UNIT | AVERAGE RESULTS |
|---------------------------------|------------|--------------------|-----------------|
| Density at 15°C | ASTM D4052 | g/ml | 0.876 |
| Kinematic viscosity at 40°C | ASTM D445 | mm ² /s | 102 |
| Kinematic viscosity at 100°C | ASTM D445 | mm ² /s | 11.9 |
| Viscosity index | ASTM D2270 | | 106 |
| B.N. (HClO ₄ method) | ASTM D2896 | mg KOH/g | 9.4 |
| Pour point | ASTM D6892 | °C | -36 |
| Brookfield viscosity at -12°C | ASTM D2983 | mPa.s | 7630 |
| Flash Point COC | ASTM D92 | °C | 230 |

We reserve the right to alter the general characteristics of our products in order to let our customers benefit of the latest technical evolutions.