



Product Data

## Transmax Offroad 50

Powershift Transmission Fluid

### Description

Castrol Transmax Offroad 50 is a transmission lubricant using highly refined mineral oil, designed for use in powershift transmissions, direct drive transmissions, wet disc brakes, final drives and differentials in off road machinery where Caterpillar TO-4 is required, and Recommended for use in Komatsu off-road machinery drivetrain and hydraulics.

### Advantages

- Excellent oxidation stability maintains high temperature performance and transmission cleanliness during service life.
- Stable friction characteristics eliminate slippage and reduce brake noise.
- Excellent friction performance with a wide range of friction materials ensures smooth positive changes and enhanced friction material durability.
- Improved wear performance extends component life.

### Typical Characteristics

| Name                         | Method     | Units              | Transmax Offroad 50 |
|------------------------------|------------|--------------------|---------------------|
| Density @ 15C, Relative      | ASTM D4052 | g/ml               | 0.8973              |
| Viscosity, Kinematic 100C    | ASTM D445  | mm <sup>2</sup> /s | 18.6                |
| Viscosity, Kinematic 40C     | ASTM D445  | mm <sup>2</sup> /s | 213                 |
| Viscosity Index              | ASTM D2270 | None               | 100                 |
| Viscosity, Brookfield @ -15C | ASTM D2983 | mPa.s (cP)         | 40400               |
| Pour Point                   | ASTM D97   | °C                 | -27                 |
| Flash Point, COC             | ASTM D92   | °C                 | 256                 |

### Product Performance Claims

Meets CAT TO-4

Recommended for use in Komatsu Equipment

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