



# PRISTA® TO-4 SAE 50

## POWERSHIFT TRANSMISSION OILS

### Description and Application

Powershift transmission oil **Prista® TO-4 SAE 50** is formulated with a special selection of high quality solvent refined and hydrotreated base stocks and highly efficient additive package, which contains special antiwear additives ensuring enhanced bearing protection against micro-pitting and metal fatigue.

This oil is designated for the lubrication of powershift transmissions, drive trains, wet disk brakes and final drives of the off-highway machines and equipment. It is also suitable for use in all automatic transmissions as well as unsynchronized manual transmissions of off-highway equipment.

**Prista® TO-4 SAE 50** is recommended for use in utility vehicles and caterpillar tractors used in the construction and mining industries.

### Benefits

- Provide excellent friction control
- Less brake noise
- Reduced gear wear
- Good elastomer compatibility
- Oxidation stability
- Prolong brakes and transmissions life

### Specifications

|                    | SAE 50                    |
|--------------------|---------------------------|
| Caterpillar        | TO-4                      |
| API                | CF/CF-2                   |
| ZF Specification   | TE-ML 01                  |
| Komatsu<br>Dresser | KES 07.868.1              |
| TREMEC TTC         | Powershift Transmission   |
| Eaton              | Transmission applications |

### Typical Characteristics

| Parameter                                        | Test Method | Typical Value |
|--------------------------------------------------|-------------|---------------|
| Density at 20°C, g/ml                            | EN ISO 3675 | 0.901         |
| Kinematic Viscosity at 100°C, mm <sup>2</sup> /s | EN ISO 3104 | 18.8          |
| Viscosity Index                                  | ISO 2909    | 95            |
| Flash point COC, °C                              | EN ISO 2592 | 250           |
| Pour point, °C                                   | ISO 3016    | -18           |
| Brookfield viscosity at minus 15°C, cP           | ASTM D2983  | 90 000        |
| Copper Strip Corrosion, rating                   | EN ISO 2160 | 1a            |

Important note: typical data values do not constitute a specification but are an indication based on current production and can be affected by allowable production tolerances. The right to make modifications is reserved.

### Health, Safety and Handling

Based on current available information, this product is not expected to produce adverse effects on health when used for the intended application.

For more information about product MSDS, terms and conditions for storage and shelf life please visit: [www.prista-oil.com](http://www.prista-oil.com)

### Packages

210L