

# Product Data Sheet

## Tomoil<sup>TM</sup> FDAO FD-1 SAE 60

Powershift transmission fluid

### Product description

Tomoil<sup>TM</sup> FDAO FD-1 SAE 60 stands as a tailor-made lubricant carefully formulated for present-day Caterpillar off-road equipment. Specifically created to meet the requirements of demanding service conditions that necessitate lubricants meeting CAT FD-1 specifications, it consists of high-grade base stocks and unique additives, guaranteeing outstanding performance and facilitating extended intervals between oil changes.

### Application

- Aminol<sup>TM</sup> FD-1 SAE 60 is recommended for use in all Caterpillar final drives and axles.
- It should not be used in compartments which contain friction material, unless final drive & axle oil has been specified.
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### Features & Benefits

- Prolongs component life.
- Extends drain intervals.
- Enhances performance across varying temperatures.
- Improves rust and corrosion protection.
- Provides excellent defense against foaming.

### Typical Properties

| Property                     | Unit              | Test method | Typical value |
|------------------------------|-------------------|-------------|---------------|
| Density at 15°C              | g/cm <sup>3</sup> | ASTM D 4052 | 0.904         |
| Kinematic Viscosity at 100°C | cst               | ASTM D 445  | 23.50         |
| Kinematic Viscosity at 40°C  | cst               | ASTM D 445  | 320.0         |
| Viscosity Index              | -                 | ASTM D 2270 | 93            |
| Flash Point (COC)            | °C                | ASTM D92    | 260           |
| Pour Point                   | °C                | ASTM D7346  | -15           |
| Copper Strip Corrosion       | -                 | ASTM D 130  | 1a            |

Typical property characteristics are based on current production. Whilst future production will conform to Tomoil<sup>TM</sup> specifications, variations in these characteristics may occur.

## Performance claims

- Caterpillar FD-1

## Health, Safety & Environment

- **Health and Safety**

This product is unlikely to present any significant health or safety hazard when properly used in the recommended application, and good standards of industrial and personal hygiene are maintained.

For further guidance on Product Health & Safety refer to the appropriate Safety Data Sheet which can be obtained upon request or through our website: [www.tomoil.de](http://www.tomoil.de)

- **Protect the Environment**

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.

## Available pack sizes

- |                        |                          |
|------------------------|--------------------------|
| • 1 L Canister plastic | • 20 L Canister plastic  |
| • 4 L Canister plastic | • 30 L Canister plastic  |
| • 5 L Canister plastic | • 60 L Drum sheet metal  |
| • 6 L Canister plastic | • 200 L Drum sheet metal |
| • 7 L Canister plastic | • 1000 L Container       |

## Storage

- We recommend to store all packages under cover.
- Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings.
- Products should not be stored above 60 °C, exposed to hot sun or freezing conditions.

## Notes

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