

## Product Data Sheet

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### PT Maxnitron Power T4

#### Premium Transmissions and Drive Train Oil

PT Maxnitron Power T4 is a high-quality lubricant suitable for use in powershift transmission systems, hydraulic systems, and drive systems of heavy-duty machinery and construction equipment, such as Caterpillar, Case, and Komatsu. The product is formulated from high-quality base oils, blended with specially designed performance additives to extend lubricant service life, prevent deterioration of rubber seals, and reduce wear in transmission and gear systems within heavy equipment drivetrains. In addition, it provides maximum protection for hydraulic systems operating under severe and heavy-duty conditions.

#### Customer Benefits

- **Extended service life of power transmission systems and components**

With specially formulated additives specifically for power transmission systems, wet disc brakes, and gear sets, PT Maxnitron Power T4 effectively reduces wear of gears, clutches, and other internal components within the system. In addition, it helps maintain efficient power transmission performance even under high load and severe operating conditions, in compliance with CAT TO-4 standards.

- **Excellent friction control performance**

The properties of PT Maxnitron Power T4 enhance friction control within the system, helping to reduce clutch slippage and ensure continuous operation at full efficiency. This is particularly beneficial for heavy-duty applications, especially when operating on inclined or demanding terrain.

- **Extended oil service life and improved operating efficiency**

Carefully selected performance additives, the lubricant provides excellent resistance to oxidation, slowing oil degradation and viscosity increase. This helps reduce energy consumption, extend oil drain intervals, and prevent the formation of sludge, rust, and contaminants that may be harmful to machinery components.

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#### Performance Standards

- CAT TO-4, TO-4M
- Komatsu KES 07.868.1
- Allison C-4
- API CF, MT-1
- ZF TE-ML-03C, 07F

#### Applications

- Can be used with powershift transmission systems in heavy machinery such as Caterpillar, Komatsu, and Case.
- It is suitable for gear sets and power transmission systems of commercial vehicles that require ZF and Allison specifications.
- Can be used in hydraulic systems, torque converters, gear systems, and Final drives.

#### Typical Characteristics

| SAE Grade                                | SAE 10W | SAE 30 | SAE 40 | SAE 50 |
|------------------------------------------|---------|--------|--------|--------|
| Viscosity @ 100 °C (cSt.)                | 7.0     | 11.2   | 14.4   | 18.2   |
| Viscosity @ 40 °C (cSt.)                 | 45.8    | 97.3   | 141.7  | 202.1  |
| Viscosity Index                          | 111     | 101    | 100    | 100    |
| Pour Point (°C)                          | -30     | -21    | -18    | -18    |
| Foam Characteristic-Sequence I (mL/mL)   | Nil/0   | Nil/0  | Nil/0  | Nil/0  |
| Foam Characteristic-Sequence II (mL/mL)  | Nil/0   | Nil/0  | Nil/0  | Nil/0  |
| Foam Characteristic-Sequence III (mL/mL) | Nil/0   | Nil/0  | Nil/0  | Nil/0  |
| Flash Point (°C)                         | 236     | 250    | 256    | 262    |
| Total Base Number (mgKOH/g)              | 10.8    | 10.8   | 10.8   | 10.8   |
| Sulfate Ash                              | 1.56    | 1.56   | 1.56   | 1.56   |

\*The above values represent typical production standards at the time of manufacture. Variations may occur between production batches; however, the essential characteristics and performance of PT Maxnitron remain consistent with its quality standards.

**\*\*Note\*\***

The use of PT Maxnitron Power T4 should be based primarily on the recommendations specified in the equipment manufacturer's manual. The correct viscosity grade must be selected in accordance with the required standards and the manufacturer's recommendations for each machine.