



SUNOCO TO-4 TRANSFLUIDS

OVERVIEW

SUNOCO TO-4 TRANSFLUIDS are premium quality lubricants specially formulated to meet both Caterpillar TO-4 and Allison C-4 (SAE 10W and 30 viscosity grades) requirements. These fluids are designed for use in power-shift transmissions, final drives, hydrostatic transmissions, torque converters and hydraulic systems of Caterpillar equipment. SUNOCO TO-4 TRANSFLUIDS provide substantially improved friction and anti-wear performance compared with older API CD/TO-2 fluids.

FEATURES & BENEFITS

SUNOCO TO-4 TRANSFLUIDS offer good low temperature pumpability, optimized clutch-friction retention and slippage control, and improved clutch life compared to the best API CD/TO-2 engine oils. Their excellent anti-wear and load carrying capabilities work to reduce gear wear and extend transmission life, while providing superior brake chatter control. These oils provide hydraulic stability and protection against high-pressure pump wear along with outstanding thermal and oxidation stability.

TYPICAL PROPERTIES

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|-------------------------|-------|-------|-------|
| Product Code | 5073 | 5093 | 5113 |
| SAE Viscosity Grade | 10 | 30 | 50 |
| Viscosity, cSt @ 100 °C | 6.6 | 11.3 | 20.0 |
| Viscosity, cSt @ 40 °C | 44.4 | 98.2 | 235.0 |
| Viscosity, cP @ -20°C | 2500 | - | - |
| Viscosity Index | 100 | 96 | 99 |
| Pour Point, °C | -29 | -23 | -10 |
| Zinc, Wt. (%) | 0.129 | 0.129 | 0.129 |
| Calcium, wt% | .3050 | .3050 | .3050 |
| Sulfated Ash, wt% | 1.24 | 1.24 | 1.24 |
| Total Base Number | 8 | 8 | 8 |
| Copper Corrosion | 1A | 1A | 1A |
| Foam Test | Pass | Pass | Pass |
| Density | .876 | .896 | .900 |

APPLICATIONS

SUNOCO TO-4 TRANSFLUIDS are designed for use in powershift transmissions, hydrostatic transmissions, torque converters, final drives and hydraulic systems of Caterpillar and other off-highway construction and mining equipment. SUNOCO TO-4 TRANSFLUIDS may also be used in heavy-duty commercial automatic and manual transmission where Allison C-4 or Caterpillar TO-4 fluid is specified.

SPECIFICATIONS

Allison C-4, C-3 (SAE 10W, 30) • Caterpillar TO-4 • Eaton Fuller transmissions (SAE 30, 50) • Dana Spicer transmissions (SAE 30, 50) • Euclid Equipment • Komatsu Equipment • Dresser • Vickers M-2950-S • ZF TE-ML 03C for torque converter transmissions (SAE 10W, 30)