

ADVANTAGE TO-4 TRANSFLUIDS

OVERVIEW

ADVANTAGE 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, hydraulic systems, and the wet brake compartments of Caterpillar equipment. **ADVANTAGE TO-4 TRANSFLUIDS** provide substantially improved friction and anti-wear performance compared with older API CD/TO-2 fluids.

FEATURES & BENEFITS

ADVANTAGE 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. They have properly balance frictional profiles to provide the required grip for firm and precise braking under all conditions. **ADVANTAGE TO-4 TRANSFLUIDS** have excellent anti-wear and load carrying capabilities, work to reduce gear wear and extend transmission life, and offer superior brake chatter control. These oils provide hydraulic stability and protection against high-pressure pump wear along with outstanding thermal and oxidation stability.

APPLICATIONS

ADVANTAGE TO-4 TRANSFLUIDS are designed for use in powershift transmissions, hydrostatic transmissions, torque converters, final drives and the wet brake and hydraulic systems of Caterpillar and other off-highway construction and mining equipment. **ADVANTAGE 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

API GL-4 • 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)

TYPICAL PROPERTIES

Product Code	507	509	511
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 Index	100	96	99
Pour Point, °C	-29	-23	-10
Zinc, Wt. (%)	0.129	0.129	0.129
Calcium, wt%	0.305	0.305	0.305
Sulfated Ash, wt%	1.24	1.24	1.24
Copper Corrosion	1A	1A	1A
Foam Test	Pass	Pass	Pass