

# TRIAX ATLAS TRANSFLUID TO-4

## SYNTHETIC BLEND HEAVY DUTY TRANSMISSION AND FINAL DRIVE FLUID

TRIAX ATLAS TRANSFLUID TO-4 are high performance transmission, hydraulic and drive-train lubricant designed to meet the requirements of Caterpillar's TO-4 specifications. TRIAX ATLAS TRANSFLUID TO-4 is engineered to optimize the performance transmissions, hydraulic systems and wet clutch systems. It contains an advanced additive system to deliver the precise performance parameters needed to maximize the productivity of construction, quarrying, and mining equipment operating in severe conditions. This fluid is also recommended use in Powershift Hydrostatic transmissions and drive train from Caterpillar, Komatsu, Hitachi, JCB and a wide range of construction equipment manufacturers.

TRIAX ATLAS TRANSFLUID TO-4 lubricants feature a very wide range seal compatibility, preventing seal cracking and thermal degradation. It is also recommended as a multi-functional fluid where OEM manual calls for Caterpillar TO-4 HYDO 10W or HYDO 10 advanced OEM lubricants with high Zinc content and very long fluid life.

## PERFORMANCE

- Outstanding wear protection under high pressure, high load conditions
- Very long fluid life with proper monitoring ( 6000 hours)
- Exceptional air release characteristics in hydraulic systems
- Excellent water dispersal (not separation) to prevent pump cavitation and wear
- Very wide operating temperature range allowing all-season applications down to -35 C
- Outstanding oxidation and viscosity control
- Flawless transmission shifting and hydraulics system control
- Recommended for equipment requiring hydraulic pump Vickers 35 vq25 test pass
- Special additives protect metal surfaces against scuffing and wear
- Frictional controls stop slippage and assure silent and efficient operation
- Exceptionally high oxidation resistance elevated operating temperatures
- Protects against rust and corrosion of highly refined precision parts

**3 X Better Wear  
Protection vs Most  
Other Fluids**

**Up to 38%  
Less Gear  
Scuffing**

When compared to industry standards for the CAT TO-4 specification.

## SPECIFICATIONS AND APPLICATIONS

These products meet or exceed the following API and OEM specifications.

- CATERPILLAR Hydraulic Systems
- CAT TO-2 & TO-4 and TO-4M
- ALLISON C-4
- API MT-1, CF-2, CF
- KOMATSU KES 07.868.1 (2002)
- Powershift Transmissions®
- ZF TE-ML-03C, ZF TE-ML-07F
- Vickers 35VQ25 Pumps

### Equipment:

JCB, CATERPILLAR, KOMATSU, HITACHI, TEREX, VOLVO, JOHN DEERE, CASE, NEW HOLLAND and many other OEMs.

### Use In:

- Final drives
- Hydrostatic automatic transmissions
- Hydraulic systems in all types of equipment
- Gear assemblies requiring a TO-4 or TO-2 fluid
- Final drives with wet brakes

**DIRECT  
REPLACEMENT  
FOR OEM CAT  
TDTO 10W and  
SAE 30**

## PROPERTIES

TYPICAL PROPERTIES	10W	SAE 30	SAE 50
Specific Gravity @ 60 °F	0.8727	0.81	0.8978
Viscosity, Kinematic			
cSt at 40°C	42	101.2	239.70
cSt at 100°C	6.70	11.7	20.50
Viscosity Index	113	104	100
Flash Point, °F	405	419	461
Pour Point, °C (°F)	-40 (-40)	-19 (-2)	-10 (14)
Color	<3.0	<4	<4.5
Zinc (ppm)	1250 +	1250 +	1250 +

Small deviations from these results are expected during the manufacturing process and do not affect product performance.

\*All trademarked names are the property of their respective owners and may be registered marks in some countries. No affiliation or endorsement claim, express or implied, is made by their use, which is strictly to guide consumers as to the application of TRIAX products and convey compatibility or lack thereof.

\*\* The drain interval mentioned herein represents the capability of the lubricant and is valid for a mechanically sound engines, with regular oil analysis and without the use of after-market additives.