

## Product Description

D-A Torque Fluid™ 4 is designed to meet the lubrication needs of heavy duty automatic and powershift transmissions requiring Caterpillar TO-4 or Allison C-4 fluids. It is designed for outstanding friction retention to minimize clutch slippage providing complete power transfer for maximum equipment productivity. Torque Fluid 4 is fully compatible with fluoroelastomer discs.

D-A Torque Fluid 4 is formulated with high quality base oils and carefully selected additives resulting in a product which will provide maximum antiwear protection and prevent glazing on friction surfaces. Special inhibitors are also present which limit oil oxidation even at high operating temperatures. D-A Torque Fluid 4 is available in four grades to provide optimum protection in all kinds of weather conditions. Additionally, its fluid flow properties and elastomer seal compatibility make it an ideal hydraulic fluid system lubricant when transmission fluid or engine oil products are recommended.

## Product Features and Benefits

Full fluoroelastomer compatibility provides longer friction disc life, reduced downtime and lower maintenance costs.

Unique heavy duty transmission formulation controls sludge and varnish deposits to maintain a clean, efficient transmission.

High quality base oils and antioxidant additive produce a lubricant with minimal viscosity change and excellent resistance to high temperature degradation for longer lubricant life.

Thermally stable chemistry maintains proper friction retention between transmission and wheel brake friction disc assemblies.

Full compatibility with diesel engine oil prevents potential damage resulting if fluid is accidentally mixed with engine oil in crankcase or transmission.

Extra rust and corrosion additives protect components even if fluid is contaminated with water.

## PRODUCT AT A GLANCE

- Allison C-4
- Caterpillar TO-4
- Caterpillar and other Hydraulic Systems
- Gear, Vane and Piston Hydraulic Pumps
- Sunstrand and Other Hydrostatic Systems
- Screw and Vane Air Compressors



**D-A Lubricant Company, Inc.**

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## Typical Applications

### Transmissions/Torque Converters/Final Drives

Caterpillar Powershifts, TO-2 and TO-4  
Caterpillar Drive Trains, TO-2 and TO-4  
Allison Automatics  
Allison Powershifts  
Sundstrand Hydrostatics

### Hydraulic Systems and Pumps

Vane  
Axial Piston  
Gear  
Caterpillar, where engine oil is recommended for hydraulic systems

### Rotary Air Compressors

Vane  
Screw

## Typical Properties

SAE Grade*	J-600	10W	30	50	*60
Viscosity					
@ 100° C,cSt	ASTM D445	6.3	11.6	19.7	24.5
@ 40° C,cSt	ASTM D445	38.9	103	230	313
Viscosity Index	ASTM D2270	110	100	98	100
Flash Point °F (°C)	ASTM D92	420 (216)	460 (240)	470 (243)	520 (271)
Pour Point	ASTM D96	-35 (-37)	0 (-18)	10 (-12)	10 (-12)
API Gravity @ 60° F	ASTM D287	29.8	27.8	27.2	24.8
Copper Strip Corrosion	ASTM D130	No Corrosion	No Corrosion	No Corrosion	No Corrosion
Rust Test	ASTM D665	No Rust	No Rust	No Rust	No Rust
Foam Test	ASTM D892	No Foam	No Foam	No Foam	No Foam

\*Special Order only. Minimum shipping quantities and longer delivery time applies.

Drum, 55 Gal	53562	53572	53582	*
Pail, 5 Gal	53568	53578	53588	*
4-1 Gal Case, net 4 Gal	53564	n/a	n/a	n/a

To Order D-A Products, Call 1-800-OIL-LUBE (1-800-645-5823) or Fax orders to 765-482-3065

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