

## Product Description

D-A TorGuard™ 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 thus allowing complete power transfer for maximum equipment productivity. D-A TorGuard is fully compatible with fluoroelastomer friction material. This product is formulated with 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. Additionally, its fluid flow properties and elastomer seal compatibility make it an ideal hydraulic 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 additives 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 from accidentally mixing with engine oil in crankcase or transmission.

Extra rust and corrosion additives protect mechanical 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.**

801 Edwards Drive, Lebanon, IN 46052 • TEL: 317.923.5321 • FAX: 765.482.3065 • EMAIL: [dalube@dalube.com](mailto:dalube@dalube.com)  
[www.dalube.com](http://www.dalube.com)



## Typical Applications

### Transmissions/Torque Converters/Final Drives

Caterpillar Powershifts, TO-4  
Caterpillar Drive Trains, TO-4  
Allison Automatics  
Allison Powershifts  
Sundstrand Hydrostatics  
Komatsu Dresser  
Dana Powershift

### Hydraulic Systems and Pumps

Vane  
Axial Piston

### Gear

Caterpillar hydraulic systems, where TO-4 fluids are recommended

### Meets or exceeds the requirements of:

Allison C-4  
Caterpillar TO-4  
Komatsu KES 07.868.1  
ZF TE ML 03C  
ZF TE ML 07F

## Typical Properties

SAE Grade*	J-600	10W	30	50	*60
Viscosity					
@ 100° C,cSt	ASTM D445	6.5	11.6	19.7	24.5
@ 40° C,cSt	ASTM D445	40.1	102	227	313
Viscosity Index	ASTM D2270	111	101	99	100
Flash Point °F (°C)	ASTM D92	400 (204)	445 (229)	470 (243)	520 (271)
Pour Point	ASTM D96	-35 (-37)	0 (-18)	10 (-12)	10 (-12)
API Gravity @ 60° F	ASTM D287	29.0	27.6	26.2	25.5
Copper Strip Corrosion	ASTM D130	1b	1b	1b	1b
Rust Test	ASTM D665	Pass	Pass	Pass	Pass
Foam Test	ASTM D892	0/0, 0/0, 0/0	0/0, 0/0, 0/0	0/0, 0/0, 0/0	0/0, 0/0, 0/0

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

Drum, 55 Gal	53632	53642	53652	53682
Pail, 5 Gal	53638	53648	53658	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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