

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
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

D-A Lubricant Company, Inc.

801 Edwards Drive, Lebanon, IN 46052 • TEL: 317.923.5321 • FAX: 765.482.3065

Email: dalube@dalube.com • www.dalube.com

