

Product Description

D-A TorGuard™ FD are performance engineered lubricants designed specifically for final drive axle oil (FDAO) type applications that require the Caterpillar FD-1 specification.

D-A TorGuard™ FD when used under normal operating conditions, can have drain intervals up to 3,000 operating hours. Special additives are added to control foaming tendencies while deterring pitting and scuffing within gears and bearings. In addition, the robust additive package controls rust and exhibits very good oxidation stability to combat contact fatigue within the drive system.

D-A TorGuard™ FD is not recommended for final drive components that contain frictional materials such as wet disk systems.

Product Features and Benefits

Longer bearing and gear life

Protects against pitting, wear, and scuffing for gears and bearings
Superior wear protection under high torque, low speed operating conditions

Improved protection against rust and corrosion

Excellent oxidation stability to reduce deposits and minimize viscosity oxidative thickening throughout the drain cycle

Reduced foaming tendencies result in lower wear rates in high-pressure contact areas.

PRODUCT AT A GLANCE

- Long life
- FDAO (Final Drive Axle Oil)
- Superior protection for gears and bearings
- Excellent thermal stability



D-A Lubricant Company, Inc.

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Typical Applications

D-A TorGuard™ FD are performance engineered lubricants designed specifically for final drive and axle (FDAO) type applications that require the Caterpillar FD-1 specification.

D-A TorGuard™ FD is recommended for use in selected models and compartments such as: forestry equipment, off-highway trucks, and track-type tractors.

In applications where **D-A TorGuard™ FD** is recommended, the factory fill oil for standard configured machines is SAE 60; however Machine Operating Manuals should be consulted to select the appropriate grade for prevailing ambient temperatures.

D-A TorGuard™ FD may be used in any other equipment that requires fluids meeting the Caterpillar FD-1 specification.

Typical Properties

SAE Viscosity Grade	J-300	50	60
KV @ 100 °C		18.5	26.0
HTHS Viscosity cP@ 150 °C (min)	ASTM D4683	4.5	5.7
Pour Point,	ASTM D97		
°F max		-11	5
°C max		-24	-15
Brookfield Viscosity @ -15 °C	ASTM D2983	150,000 Max	–
Cold Pumping @ -10 °C	ASTM D4684	–	150,000 Max

Product Code:	Bulk	53151	53161
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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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