

## Product Description

D-A DTL<sup>™</sup> Gear Oil is the first and only **Dirt Tolerant Lubricant** - a low-friction lubricant which has been formulated to limit the damage caused by dirt and water contamination in gear assemblies. It is chemically engineered to offer extended equipment life, reduced maintenance and energy costs and improved operational efficiency.

## Product Features and Benefits

Specifically formulated to help prevent catastrophic equipment failure caused by dirt and water contamination.

Unique composition inhibits abrasive wear to gears caused by dirt providing increased gear life.

Reduces wear caused by water contamination protecting vital components and extending equipment life.

Thermal and oxidation stability reduces sludge and varnish deposits on gear assemblies preventing seal deterioration, oil thickening and premature component failure.

Extreme pressure additives form a protective chemical film designed to minimize gear wear while producing a cooler running compartment for reduced energy costs and higher work output.

Molybdenum disulfide solid lubricant conditions gears to reduce noise and friction.

Highly functional chemical inhibitors provide lasting protection against rust and corrosion which further reduces abrasive gear wear and maintains component condition.

## PRODUCT AT A GLANCE

- Dirt Tolerant Lubricant
- Water Resistant
- Thermal and Oxidative Stability
- Cooler Running
- Contains Moly
- GL-5
- MIL-PRF-2105E



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

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## Typical Applications

All applications requiring a GL-5 or MIL-PRF-2105E/J-2360 lubricant including:

Note: Excluding limited slip differentials.

- Dana (Spicer) differentials
- Eaton (Fuller) differentials
- Rockwell differentials
- Most automobile and light truck differentials, some automotive manual transmissions
- Ross and Saginaw steering systems
- Wheel bearings (oil lubricated)
- Off-highway mobile equipment and industrial machinery requiring an EP gear lubricant

## Typical Properties

SAE Grade	SAE J-306	80W-90	85W-140
ISO Viscosity Grade	ASTM D422	150	320
AGMA Lubricant Number	AGMA	4/4EP	6/6EP
API Service Classification	API	GL-5	GL-5
Viscosity			
@ 100°C, cSt	ASTM D445	14.8	26.3
@ 40°C, cSt	ASTM D445	143	342
Viscosity Index	ASTM D2270	103	101
Brookfield Viscosity			
@ -12°C, cSt	ASTM D2983	n/a	82,000
@ -26°C, cSt	ASTM D2983	122,000	n/a
Channel Point Pass, °F (°C)	FTM-3456	-31 (-35)	-4 (-20)
Flash Point, °F (°C)	ASTM D92	435 (224)	460 (238)
API Gravity @ 60 °F (°C)	ASTM D287	26.8	25.9
Copper Strip Corrosion	ASTM D130	1a	1a
Timken OK Load, Pounds	ASTM D-2509	65	65
Moisture Corrosion Axle Test			
Gears and Bearing Condition	ASTM L33	No Corrosion	No Corrosion
Shock Load/Gear Scoring Axle Test			
Ring and Pinion Gear Scoring	ASTM L43	Nil	Nil
Low Speed/High Torque Endurance Test			
Gear Surface Distress	ASTM I37	None	None
Gear Wear	ASTM I37	Trace	Trace
Thermal Oxidation Stability Test	ASTM L-60	Minimal	Minimal
Foam Test, Sequence I,II, III	ASTM D892	0-0	0-0
	Drum	14122	14132
	Quarter Drum	14126	14136
	Pail	14128	14138



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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