

Product Description

D-A GearTec[™] is designed to support the performance requirements for the lubrication needs of gear trains and differentials requiring the use of an extreme pressure lubricant, including limited-slip type configurations. This product is formulated with quality base oils and carefully selected additives resulting in a product which will provide excellent antiwear protection under heavy loads while also guarding against rust and corrosion even when the system is idle. Special inhibitors are also present which limit oil oxidation and deposit formation even at high operating temperatures.

D-A GearTec[™] is available in two multigrades and one monograde to provide optimum protection. The multigrades are formulated without the use of viscosity modifier additives to ensure maximum in-service viscosity retention and minimized gear wear.

Product Features and Benefits

Unique balance of extreme pressure additives extends equipment life through minimized gear wear.

Limits wear during equipment start-up and acceleration, as well as during extreme loading conditions, by minimizing metal-to-metal contact, providing exceptional heavy load protection during low speed/high-torque service.

Specially formulated to control rust and corrosion of all types of metal surfaces.

Quality base oils and antioxidant additive produce a lubricant with excellent resistance to high temperature degradation for longer lubricant life.

Incorporated chemistry maintains film strength by eliminating viscosity loss.

PRODUCT AT A GLANCE

- EP Gear Lubricant
- Excellent High Temperature Stability
- Limited-Slip Applications
- Supports the performance requirements of API GL-5



D-A Lubricant Company, Inc.

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Typical Applications

Supports the performance requirements of:

Gear Oil applications requiring a GL-5 or SAE J2360 (formerly MIL-PRF-2105E) including:

Most automobile manual transmissions and differentials, including limited-slip

Off-highway mobile equipment and industrial machinery requiring an EP gear lubricant.

Dana (Spicer) differentials
Eaton (Fuller) differentials
Mack GO-J

Meritor (Rockwell) differentials
Ross and Saginaw steering systems
Wheel bearings

Typical Properties

SAE Grade	J-300	80W-90	85W-140	90
API Service Classification (meets specifications)		GL-5	GL-5	GL-5
AGMA Lubricant Number		4EP	7EP	5EP
Viscosity	ASTM D445			
@ 100°C, cSt		14.1	28.3	20.0
@ 40°C, cSt		140.3	415	240
@ -12°C, cP		—	57,500	—
@ -26°C, cP		139,000	—	—
Viscosity Index, Minimum	ASTM D2270	95	95	95
Flash Point °F (°C)	ASTM D92	430 (221)	460 (238)	445 (229)
Channel Point, Pass @ °F (°C)	FTM-3456	-30 (-35)	-5 (-20)	-20 (-28)
API Gravity @ 60°F	ASTM D287	27.2	25.5	26.5
Copper Strip Corrosion	ASTM D131	1b	1b	1b
Timken OK Load, Pounds	ASTM D2509	50	50	50
Anti-Scoring Performance Test	ASTM L-42			
Ring Gear, % Scoring		Nil	Nil	Nil
Pinion Gear, % Scoring		Nil	Nil	Nil
High Speed-Low Torque Test	ASTM L-37			
Gear Tooth Surface Condition		No Distress	No Distress	No Distress
Low Speed-High Torque Test	ASTM L-37			
Gear Surface Fatigue		None	None	None
Gear Wear		Trace	Trace	Trace
Moisture Corrosion Axle Test	ASTM L-33	Clean	Clean	Clean
Gear & Bearing Condition		No Corrosion	No Corrosion	No Corrosion
Oxidation Stability (TOST)	ASTM D2272	Excellent	Excellent	Excellent
FZG, Pass Stage	ASTM D5182	12	12	12
	Drum - 400 lbs	14102	14112	14162
	Qtr Drum - 120 lbs	14106	14116	14156
	Plastic Pail - 35 lbs	14108	14118	14158
	Metal Pail - 35 lbs	14109	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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