

Product Description

D-A GearTec[™] MGO FS is a full synthetic, premium, industrial, extreme pressure gear lubricant. Formulated with a combination of Polyalphaolefin (PAO) and Polyolester (POE), D-A GearTec[™] MGO FS provides good oxidation resistance, easier cold temperature starting, excellent managed heat distribution and lower internal operating temperatures. Designed with specialized additives, D-A GearTec[™] MGO FS provides protection to industrial gear systems by offering a balance of extreme pressure and anti-wear additives. Oxidation, corrosion, rust and foam inhibitors are also blended into the final product. The high film strength and load carrying capacity provide gear teeth protection from wear, all types of surface stress and premature failure. When monitored, D-A GearTec[™] MGO FS can offer extended drain intervals.

D-A GearTec[™] MGO FS is well suited for use in enclosed gear systems operating under heavy shock loading. It also supports the performance requirements for the lubrication of crawler drives and cutter head gears of continuous mining machines; in plain and anti-friction bearing, chassis drives/slides, spur, herringbone, bevel and worm gears in mill, mining and mobile equipment calling for AGMA EP type lubricants.

Product Features and Benefits

Designed with a combination of PAO and POE base stock. Additive package tailored specifically to manage the harsh conditions found in the mining industry.

PRODUCT AT A GLANCE

- Synthetic EP Gear Lubricant
- Mining targeted additive package
- Enclosed Systems with Heavy Shock Loading
- Oxidation Inhibitors



D-A Lubricant Company, Inc.

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Typical Applications:

Supports the performance requirements of:

- Crawler drives and cutter head gears of continuous mining machines;
- Plain and anti-friction bearing,
- Chassis drives/slides,
- Spur, herringbone, bevel and worm gears in mill, mining and mobile equipment calling for AGMA EP type lubricants.
- US Steel 224: all grades

Typical Properties

ISO Viscosity Grade	ASTM D422	220	320	460
AGMA Lubricant Number	AGMA	5EP	6EP	7EP
Viscosity				
@ 100°C, cSt	ASTM D445	31	41	55
@ 40°C, cSt	ASTM D445	212	310	447
Viscosity Index	ASTM D2270	180	184	191
Phosphorus, ppm	ASTM D6593	340	340	340
Flash Point, °F (°C)	ASTM D92	482 (250)	482 (250)	482 (250)
Pour Point, °F (°C)	ASTM D97	-44 (-42)	-35 (-37)	-31 (-35)
Rust Protection	ASTM D665B	Pass	Pass	Pass
Copper Strip Corrosion	ASTM D130	1b	1b	1b
FZG, Pass Stage	ASTM D5182	12 +	12 +	12 +
Four Ball Wear, kg	ASTM D2783	64	64	64
Four Ball Load Weld, kg	ASTM D2783	250 +	250 +	250 +
D-A Part Number	35 lb Metal Pail	13569LB	13579LB	13589LB



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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