

GearTec MGO™



Product Description

D-A **GearTec MGO™** is a premium emulsifiable, industrial, extreme pressure gear oil. Designed with specialized additives, **GearTec MGO™** provides protection to industrial gear systems operating in extremely wet environments. The specialized emulsifiers are very shear stable and form stable emulsions. Along with the emulsifier package, it contains 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.

D-A **GearTec MGO™** 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

Additive package tailored specifically to manage the harsh conditions found in the mining industry.

Contains a water emulsifier to promote continuous lubrication even with a wet environment. High VI, quality paraffinic base stocks extend the life of the oil.

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.
 AGMA 9005-D94
 Cincinnati Milacron
 US Steel 224: all grades

Typical Properties

ISO Viscosity Grade	Test Method	320	460
AGMA Lubricant Number		6EP	7EP
Viscosity @ 100°C, cSt	ASTM D445	24.9	31.9
@ 40°C, cSt	ASTM D445	317	460
Viscosity Index	ASTM D2270	100	100
Pour Point, °F (°C)	ASTM D97	-4 (-20)	14 (-10)
Flash Point, F (°C)	ASTM D92	500 (260)	525 (274)
API Gravity	ASTM D4052	26.0	25.3
FZG Test, Pass Stage	ASTM D5182	12+	12+
Copper Strip Corrosion	ASTM D130	1b	1b
Rust Test	ASTM D665	Pass	Pass
Foam Test	ASTM D892	Pass	Pass

D-A Part Number:

Bulk	13161	13181
Drum – 400 lb	13162LB	N/A
Pail (Metal) - 35 lb	13169LB	13189LB