

# *Extreme Pressure Oils* *Patriot EP Gear Oils*



**High performance, highly refined, extreme pressure gear oils**

Due to the excellent extreme pressure characteristics and superior load-carrying properties, These lubricants can be used in all types of enclosed gear drives with circulation or splash lubrication systems. They are formulated from highly refined virgin base stocks and a state of the art additive system that provides an extremely high level of resistance to oxidation and chemical degradation. They have friction-modifying characteristics that reduce power consumption and maintain lower bulk oil temperatures. These gear oils protect against corrosion and rusting.

## **Features**

- ♦ **Superior Extreme Pressure Properties**
- ♦ **Premium Anti Wear Properties**
- ♦ **Remains Thermally Stable**
- ♦ **Resists oxidation**
- ♦ **Separates readily from water**
- ♦ **Maintains Viscosity**
- ♦ **Excellent High Temp Stability**
- ♦ **Non-Toxic**
- ♦ **Long Life**

## **Meets Requirements of**

**AGMA EP 9005-E02** (ISO 68, 100, 150, 220, 320, 460, 680)

**DIN 51517-3** (CLP)

**MAG Cincinnati , Cincinnati machine** P-63 (ISO 68), P-76 (ISO 100), p-77 (ISO 150), P-74 (ISO 220) P-59 (ISO320) P-35 (ISO 460)

**US STEEL 224** Specification (ISO 220, 320, 460, 680)



**(502) 363.5600**

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*Patriot Products*

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## Physical Characteristics

TEST	METHOD	EP68	EP100	EP150	EP220	EP320	EP460	EP680
ISO Viscosity Grade		68	100	150	220	320	460	680
Specific Gravity	ASTM D-287	.87	.87	.89	.89	.89	.91	.91
Flash Point F	ASTM D-92	400	400	410	420	450	450	450
Pour Point F	ASTM D-97	-24	-24	-21	-18	-12	-6	-6
Viscosity cSt @ 40C		68	100	150	220	320	460	680
cSt @ 100C		8.5	11.2	14.2	18.1	23.0	28.5	34.7
Rust Test	ASTM D-665A	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Viscosity Index	ASTM D-2270	91	91	91	91	91	98	83
Copper Strip Corrosion	ASTM -130	1B	1B	1B	1B	1B	1B	1B
Foam Test	ASTM D-892	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Load Wear Index		48	48	48	48	48	48	48
Meets AGMA 9005 D94		X	X	X	X	X	X	
Meets DIN 51517 Part 3	CLP	X	X	X	X	X	X	X
Meets ISO 12925-1	TYPE CKC	X	X	X	X	X	X	X



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