



## **PURAMAX Industrial Extreme Pressure Gear Oil**

**PURAMAX Industrial EP oils are premium quality extreme pressure (EP) gear oils formulated for use in industrial gear sets, bearings, circulating systems and gear reducers. They protect gears and bearings by providing excellent load carrying capabilities, water demulsibility, oxidation stability and corrosion protection.**

PURAMAX Industrial EP oils are formulated with premium base stocks and select additives designed for ultimate protection against gear and bearing wear, rust, oxidation and hydrolytic degradation. Superior thermal and oxidative characteristics resist thickening from extreme operation temperatures. They provide excellent demulsification (water separating) properties and superior load-carrying ability. The unique additive package is non-corrosive to gear and bearing materials such as steel, copper, brass and bronze.

### **APPLICATIONS**

PURAMAX Industrial EP oils are recommended for service in a wide range of industrial applications. Applications include:

- Where extreme pressure (EP) conditions exist
- Enclosed gearboxes operating under moderate-to-severe conditions
- Gear sets with spur, bevel, spur bevel, spiral bevel and herringbone gears
- Bath, splash, circulating or mist systems
- Also used in chain drives, sprockets, plain and anti-friction bearings, slide guides and flexible couplings
- Manual transmissions and gear reducers calling for EP gear oil

### **FEATURES AND BENEFITS**

- Available in viscosity grades ranging from ISO 68 to ISO 680
- Superior thermal and oxidative characteristics
- Excellent EP and antiwear properties
- Resists thickening from extreme operating temperatures
- Excellent demulsification properties and superior load-carrying ability
- Non-corrosive to steel, copper, brass and bronze

### **RECOMMENDED PERFORMANCE SPECIFICATIONS**

PURAMAX Industrial EP oils are recommended for the following specifications:

- AGMA Gear Specifications 2 EP to 8 EP
- US Steel 224 Specification (ISO 220, 320, 460, 680)
- Mag Cincinnati, Cincinnati Machine

<b>PURAMAX Industrial EP Gear Oil</b>								
	ASTM-D	Typical Inspection Tests						
ISO Grade		68	100	150	220	320	460	680
AGMA Grade		2 EP	3 EP	4 EP	5 EP	6 EP	7 EP	8 EP
Gravity, API	1298	29.3	28.2	27	26.2	25.2	24.6	24
Pour Point, °C/°F	97	-33/-27	-33/-27	-33/-27	-33/-27	-33/-27	-33/-27	-33/-27
Flash Point, °C/°F	92	221/430	225/437	232/450	232/450	240/464	240/464	250/482
Viscosity Index	2270	97	95	95	94	92	92	92
Viscosity cSt @ 40 °C	445	68	100	150	220	323	460	680
Viscosity cSt @ 100 °C	445	8.62	11.06	14.4	18.9	23.7	29.6	38.0
Color (Max)	1500	3.5	4.0	4.0	4.0	4.0	4.0	4.5

Minor variations in test data are to be expected in normal manufacturing