

PRODUCT DATA SHEET



Marathon Pro EP Gear Oils | Extreme Pressure Industrial Gear Oils ISO VG 68, 100, 150, 220, 320, 460, 680

Product Description

Marathon Pro EP Gear Oils offer dependable protection and extreme pressure benefits. Their application versatility makes them well-suited for product consolidation, without compromising performance. Pro EP gear oils provide excellent anti-wear properties and stability in severe conditions and temperatures, controlling operating costs and extending machine life.

Applications

- Industrial gear units requiring an EP oil
- Large & small spur, bevel, spiral bevel, helical, herringbone, & hypoid gears
- Worm, cylindrical, & other gears where EP is not a requisite
- Gear motors & drives
- Systems serving gears & bearings subject to shock & high load conditions
- Bath, splash, circulating, or spray mist lubrication as applicable to proper viscosity grade

Features & Benefits

- **Broad application slate**
Consolidate products & lower purchase and storage costs. Avoid risk of using incorrect lubricant.
- **Extreme Load carrying performance**
Impressive EP & anti-wear properties reduce costs, extend machine life, & offer premium protection.
- **Optimal oxidation resistance plus thermal stability**
Dependable in severe service & temperatures. Excellent resistance to degradation & sludge formation.
- **Combats rust & corrosion**
Advanced additive package counters harmful acidification effects.
- **Superb water separation**
Fights oil/water emulsion formation.

Industry & OEM Applications¹

- US Steel 224
- AGMA 9005
- DIN 51517

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Technical Data (Typical values)

ISO Grade	ASTM	68	100	150	220	320	460	680
AGMA Grade		2EP	3EP	4EP	5EP	6EP	7EP	8EP
Gravity, API	D1298	28	28	27	27	27	25	25
Viscosity								
cSt @ 40°C	D445	68	100	150	220	320	460	680
cSt @ 100°C	D445	8.4	11.2	14.5	18.3	23	29	31
SUS @ 100°F	Calc	340	520	780	1070	1560	2240	3310
SUS @ 210°F	Calc	54	64	76	91	111	138	173
Viscosity Index	D2270	97	97	95	96	97	96	95
Pour Point °C	D97	-15	-10	-10	0	0	10	10
Flash Point °F	D92	400	420	420	420	450	440	560
Copper Corrosion	D130	1	1	1	1	1	1	1
Timken OK Load, lb	D2509	70	70	70	70	70	70	70
FZG Load Stage, pass	D5182	12	12	12	12	12	12	12
Foam Test	D892	0/0	0/0	0/0	0/0	0/0	0/0	0/0
Rust Test	D-665 A	Pass	Pass	Pass	Pass	Pass	Pass	Pass

(1) Consult your owner's manual regarding its suitability for use in equipment from other OEMs. These gear oils perform in most equipment without concern for fluid-related harm.

The recommended shelf life for these oils is typically 48 months from manufacturing date when stored properly in the original sealed containers.

The product described above is designed for a specific use and may not be valid for other uses not specified in our specification sheet or in applications not requiring this specific product. Marathon Petroleum Company believes the information presented in this specification is accurate at the time written and is based upon internally generated information and information as presented by its vendors. No representation, warranty, or guarantee is made as to its accuracy or completeness. We do not accept any liability for any loss or damage that may occur from the use of this information.