



**EXTREME PRESSURE  
GEAR OIL**

Multi-Purpose Industrial Gear Lubricant  
Meets AGMA Gear Oil Specifications



REV: 03.01.2022



**DESCRIPTION**

Gard™ EP Gear Oils are heavy-duty extreme-pressure industrial gear lubricants blended from highly refined base stocks and extreme pressure (EP) additives, plus rust, oxidation, and foam inhibitors. These oils are intended for use in industrial gear boxes where EP gear oils are recommended.

**APPLICATION**

- ▣ Industrial gear boxes where EP or AGMA gear oils are recommended
- ▣ Gear reducers
- ▣ Oilfield pumping units

**BENEFITS**

- Excellent film strength at high operating temperatures
- EP treatment for extreme pressure protection
- Heat transfer properties keeps gears cool
- Outstanding resistance to foaming
- Prevents corrosion of copper and brass

**PERFORMANCE RATING**

**AGMA**  
9005-E02 (5EP), Clean S-200 Oxidation

**DIN**  
51 517 Part 3

**General Motors**  
LS-2

**FZG**  
Pass 12, Pass 13

**David Brown**  
S1.53.101 (5e)

**Cincinnati**  
Landis P-74 (C-220)

**U.S. Steel**  
224

**API**  
GL-3

TYPICAL PROPERTIES	METHOD	ISO 68	ISO 100	ISO 150	ISO 220	ISO 320	ISO 460	ISO 680
Specific Gravity at 15.6°C	D-1298	0.8676	0.8692	0.8783	0.8883	0.8961	0.8980	0.8996
Viscosity, cSt at 40°C	D-445	68.2	100.3	157.1	221.2	309.0	459.9	676.6
Viscosity, cSt at 100°C	D-445	8.8	11.5	15.0	18.7	24.5	30.1	37.2
Viscosity Index	D-2270	101	102	95	94	101	94	90
Pour Point, °C	D-97	-37	-28	-25	-15	-12	-10	-1
Pour Point, °F	D-97	-34	-18	-13	-13	10	14	30
Flash Point, °C	D-92	235	243	243	232	232	250	254
Flash Point, °F	D-92	455	469	469	449	449	482	489
Timken Load-Min.	D-2782	70	70	70	70	70	70	70
Four-Ball Weld Load	D-2783	250	250	250	250	250	250	250
Four-Ball Wear (mm.)	D-2266	0.35	0.35	0.35	0.35	0.35	0.35	0.35
FZG (Pass load stage)	D-5182	12	12	12	12	12	12	12
Copper Corrosion	D-130	1A	1A	1A	1A	1A	1A	1A
AGMA		2EP	3EP	4EP	5EP	6EP	7EP	8EP



**NOTE:**

The information on this Product Data Sheet is believed to be accurate and is typical of current production. Specifications are subject to change without notice.

**Health And Safety Information** See separate Safety Data Sheets available on request.

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