



## PRODUCT DATA SHEET

# DAVID WEBER OIL CO.

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## GIBRALTAR AGMA EP THE PREMIUM QUALITY PERFORMER

**Performance. Protection. Prevention.** These are the challenges faced by today's industrial gear oil. It's not enough that a gear oil effectively lubricate gears. A premium quality EP gear oil should reduce friction and wear, protect against rust and corrosion, dissipate heat, help prevent scoring and welding, promote the shedding of water and air release while keeping the gear system clean.

That is **Gibraltar AGMA EP Gear Oil**. Gibraltar AGMA EP is a proven performer - proven in demanding field and laboratory tests to provide significant performance advantages over competitive oils. Formulated with specially selected base stocks and proprietary leading-edge additive technology, Gibraltar AGMA EP offers a unique combination of system cleanliness, reserve EP protection and good demulsibility. That's why Gibraltar AGMA EP is unsurpassed in protecting your equipment and helping to prevent costly downtime, even in severe operating environments.

### TYPICAL INSPECTIONS

AGMA Number	2EP	3EP	4EP	5EP	6EP	7EP	8EP
ISO Viscosity Grade	68	100	150	220	320	460	680
Viscosity, cSt @ 40°C	68	102	154	215	310	455	680
cSt @ 100°C	8.7	11.2	14.8	18.5	23.5	30	38
Viscosity Index	100	95	95	95	95	95	92
Gravity °API (ASTM D 287)	29.3	28.4	27.9	27.5	27	26.6	26.4
Flash Point, °F	422	475	497	511	546	575	575
Pour Point, °C	-18	-18	-18	-18	-9	-9	-9
°F	0	0	0	0	15	15	15

**LOAD CARRYING PROPERTIES:**

Timken OK Load (ASTM D 2782) lb -	65	65	65	65	65	65	65
4-Ball EP Test (ASTM D 2783)							
Load-Wear Index, kg	48	48	48	48	48	48	48
Weld Point, kg	250	250	250	250	250	250	250
4-Ball Wear Test (ASTM D 2266)							
20 kg, 1800 RPM, 54°C (130°F)							
1 hr, Wear Scar Diameter mm	.30	.30	.30	.30	.30	.30	.30
FZG Gear Test Stage	13	13	13	13	13	13	13

**OXIDATION STABILITY (ASTM D2893)**

312 hr @ 95°C (203°F)

@ 99°C (210°F) % Increase

1.0	1.5	2.3	3.3	5.6	5.2	5.7
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**DEMULSIBILITY (ASTM D 2711)**

Water In Oil, %

.2	.7	.9	1.4	1.8	2.0	2.5
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Total Free Water, ml

86	85	82	83	84	84	80
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Emulsion, ml

.05	NIL	.4	.4	.6	.5	.5
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**RUST TEST (ASTM D 665))**

Procedure A &amp; B

Pass	Pass	Pass	Pass	Pass	Pass	Pass
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**COPPER STRIP CORROSION (ASTM D 130)**

3 hr @ 100°C (212°F), Rating

1B	1B	1B	1B	1B	1B	1B
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**FOAM TEST (ASTM D 892), ml**

Sequence 1

TR/O	TR/O	TR/O	TR/O	TR/O	TR/O	TR/O
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Sequence 2

TR/O	TR/O	TR/O	TR/O	TR/O	TR/O	TR/O
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Sequence 3

TR/O	TR/O	TR/O	TR/O	TR/O	TR/O	TR/O
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Note: All values listed are typical and may vary within modest ranges.