

GRIFLUBE[®] GEAR-OIL EP

Industrial Gear Lubricants

Hill and Griffith's **Gear-Oil EP** series of industrial gear lubricants were formulated to fulfill the requirements necessary to handle all severe applications where extreme load and shock load conditions are prevalent. These products will meet or exceed the performance standards for gear lubricants as established by Cincinnati Milacron, the American Gear Manufacturing Association—AGMA 250.04, and U.S. Steel specification 224.

The **Gear-Oil EP** line of gear lubricants were designed to ensure outstanding thermal stability, exceptional corrosion control, and superior seal compatibility. These products are compounded with extreme pressure additives which provide the highest load carrying properties necessary to extend the life of gear reducers which utilize spiral bevel, helical, herringbone, and spur gears. In the case of worm gear applications, where tooth action forces the lubricant out of the gear mesh, **Gear-Oil EP** gear lubricants are formulated to afford the increased viscosity necessary to ensure the proper film strength required.

Typical Performance Properties:

Gear-Oil EP	68	100	150	220	320	460	680
AGMA Grade	2EP	3EP	4EP	5EP	6EP	7EP	8EP
API Gravity @ 60 F	29	28	27.5	27	26.5	26.0	24.0
Viscosity, SUS							
@ 100 F	340	525	760	1120	1730	2350	3375
@ 210 F	55	65	75	95	115	140	165
Viscosity, cSt							
@ 40 C	65	100	145	215	330	445	635
@ 100 C	8.5	11.0	14.5	18.5	24.5	29.5	34.0
Viscosity Index, minimum	95	95	95	95	95	95	90
Pour Point, F	5	10	10	15	20	25	30
Flash Point, F	435	475	485	495	515	545	565
Rust Protection							
ASTM—D665 A&B	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Oxidation Stability							
ASTM—D2893	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Demulsibility							
ASTM—D2711	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Non-staining to copper							
ASTM—D130, 1B rating	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Timken OK Load	60	60	60	60	60	60	60
AGMA 250.04 & 251.02	Pass	Pass	Pass	Pass	Pass	Pass	Pass
U.S. Steel 224	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Cincinnati Milacron Grade	P-63	P-76	P-77	P-74	P-59	P-35	N/A