

Hercules

Extreme pressure industrial gear oil

Description

The **Hercules Series** of extreme pressure industrial gear oil fulfils the requirements of DIN 51517-3 for CLP type gear oils and U.S. Steel 224 performance. The **Hercules Series** offers good wear protection, safety against scuffing, aging resistance and a high thermal endurance. In addition, the products behave neutral towards conventional seals and bearing metals.

Performance Benefits

- High Temperature Durability
- High Film Strength
- Excellent Oxidative Stability
- Non-Foaming
- Superior Water Demulsibility
- Non corrosive

Recommended Applications

The **Hercules series** offers good gear performance for most types of gears and is also suitable for hydraulics.

Typical Characteristics

Name	ASTM Method	0	1	2	3	4	5	6	7	8	8A
AGMA Grade			1	2	3	4	5	6	7	8	8A
ISO Grade		32	46	68	100	150	220	320	460	680	1000
Viscosity @40°C (cSt)	D 455	32	46	68	100	150	220	320	460	680	1000
Viscosity @ 100°C (cSt)	D2161	5.4	7.5	9.2	12.0	15.8	19.5	24.5	29.9	39.2	55.2
Viscosity Index	D2270	102	128	98	98	98	98	97	96	90	106
Flash Point, °C	D92	225	225	229	235	243	246	249	257	268	278
Pour Point, °C	D97	-30	-30	-30	-30	-25	-22	-17	-12	-12	-12
Density @ 15.6 deg °C	D4052	0.872	0.88	0.887	.889	0.893	0.897	0.899	0.902	0.913	0.929
FZG Scuffing DIN 51534	A8.3/90	>=12	>=12	>=12	>=12	>=12	>=12	>=12	>=12	>=12	>=12
Rust Protection	D665A&B	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Copper Corrosion	D130	1a	1a	1a	1a	1a	1a	1a	1a	1a	1a
Demulsibility	D1401	15	15	15	15	15	15	15	15	15	15
Foam Test	D 892	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0	0/0

Subject to usual manufacturing tolerances