

MARINE HD EP GEARTECH (Marine Heavy Duty Gear Oil)

DESCRIPTION

MARINE HD EP GEARTECH oil series are high performance oil developed for marine & industrial heavy loaded gearboxes application, wind turbines and various types of gearboxes and worm wheel boxes operating under normal to extremely heavy duty conditions. Formulated with from high quality base stocks and Sulphur-phosphorous type extreme pressure additive, **extra anti-foam (silicon free defoamer) with ester additive and excellent load carrying capacity** that gives excellent load carrying capability to provide protection against shock loading and wear, water demulsibility, oxidation stability, corrosion protection and increase long drain intervals to provide optimum equipment protection and oil life even under extreme conditions compare to normal EP gear oil to provide excellent protection against conventional wear modes such as scuffing but also provides a high level of resistance against micropitting fatigue. It also offers the potential for improved lubrication of gearbox rolling element bearings.

APPLICATION

- Wide range of industrial spur, helical, bevel and steel-on-steel worm gears.
- Heavy-duty industrial enclosed gears operating under heavy or shock loading conditions and requiring extreme pressure performance.
- Journal and roller contact industrial bearings operating at low speeds and high loads.
- Suitable for splash, mist and circulating systems. Marine gear applications.

BENEFITS

- Excellent load carrying capability protects gears against scuffing and wear and offers long equipment life and reduced maintenance costs.
- High thermo-oxidative stability helps resist deposit formation, provides enhanced system cleanliness and enables longer service intervals.
- Provides effective rust and corrosion protection to all gearbox components.
- Excellent demulsibility property enables trouble-free operation in conditions encountering water/ moisture.

PROPERTIES

ISO GRADE	68	150	220	320	460	680
Viscosity @ 40°C Cst	68	150	220	320	460	680
Viscosity @ 100°C Cst	8.7	15.1	19.2	25	30.8	38
Viscosity Index	100	102	102	102	99	95
Pour Point	-24	-24	-19	-15	-12	-9
Flash Point, °C	242	248	252	264	269	278
Density 60°F	0.887	0.897	0.902	0.917	0.920	0.924
4 Ball EP Weld Load Test in kgs	>250	>250	>250	>250	>250	>250
Foam Tendency, SEQ-I	10/0	10/0	10/0	10/0	10/0	10/0
Copper Strip Corrosion @ 100 °C for 24 hrs.	1b	1b	1b	1b	1b	1b
Rust Protection Sea Water	Pass	Pass	Pass	Pass	Pass	Pass
Total Acid Number, mg KOH/g	0.9	0.9	0.9	0.9	0.9	0.9

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