

Product Data Sheet

SERVO MARINE GEAR EP

Marine Gear oil



Description

Servo Marine Gear oils are high quality gear lubricants developed specifically for marine based gear application. These oils demonstrate improved thermal stability and oxidation resistance over conventional mineral oils. They have good demulsibility characteristics, low foaming tendency and provide rust and corrosion protection to metal surfaces.

Performance, Features and Benefits

- Have reduced tendency to foam
- Provide high load carrying ability
- Ensure excellent wear protection
- Ensure long service life since they have good oxidation and thermal stability
- Minimise the formation of sludge and deposits, even at high bulk oil temperatures
- Ensure ready separation from water due to good demulsibility property
- Protect metals against rust and corrosion

Application

Servo Marine Gear EP oils are recommended for all types of enclosed gear drives with circulation or splash lubrication systems. These oils are particularly recommended for gear sets working under heavy or shock load conditions. These oils can be used in systems involving gears, plain bearings, roller bearings and sliding surfaces. They are also suitable for chain drives, sprockets, flexible couplings, plain and rolling element bearings employing splash, circulation and spray lubrication systems.

Approvals / Performance Standards / Recommendations

- AGMA 250.04
- ASLE G-315, G-1000, G-1500 and G-2150
- IS: 8406 – 1993
- US Steel requirement No. 222 and 224

These oils also meet Cincinatti Milacron. USA specification No. P-63, P-76, P-77, P-74, P-59 & P-35 respectively.

Typical Physical Characteristics

Parameters	Method	100	150	220	320	460
Appearance	Visual	Clear	Clear	Clear	Clear	Clear
Colour	Visual	4.0	<4.5	5.0	6.0	6.5
Density @15°C	ASTM D-1298	0.883	0.898	0.904	0.907	0.908
Flash point COC, °C	ASTM D92	224	232	244	248	251
Pour Point, °C	ASTM D97	(-) 12	(-) 6	(-) 6	(-) 3	(-) 3
Kinematic viscosity at 40°C, cSt	ASTM D445	99.9	151.5	222.2	322.2	462.6
Viscosity Index	ASTM D2270	97	97	96	95	94
Copper corrosion at 100°C, 3 hours		1	1	1	1	1
Rust test	ASTM D 665B	Pass	Pass	Pass	Pass	Pass
Timken OK load, lbs	D 2782	60	60	60	60	60
Foam test; Tend/Stab, ml						
Seq. I	ASTM D892	0/0	0/0	0/0	0/0	0/0
Seq. II		0/0	0/0	0/0	0/0	0/0
Seq. III		0/0	0/0	0/0	0/0	0/0
FZG Gear Load Test	DIN 51354	12 th Pass	12 th Pass	12 th Pass	12 th Pass	12 th Pass

Health, Safety & Environment

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or at <https://cx.indianoil.in/>. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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