



ORI-TECH
OILS PRIVATE LIMITED

ORI-TECH INDUSTRIAL EP GEAR OIL

Product Description

Ori-Tech Industrial EP Gear Oils is very high quality, extreme pressure lubricant oil, with sulphur-phosphorus additives, which has been developed for all types of industrial steel gearing in sealed gearboxes.

Applications

Especially recommended for all types of industrial steel gearing in sealed gearboxes, operating under severe service conditions and subject to high shock loads, or large constant or intermittent forces, including those that operate at very high loads and speeds.

Its excellent extreme pressure properties make it essential for certain, heavily loaded reducers at low speeds, where there is a risk of "MICROPITTING".

Performance

- Excellent lubricant properties. Reduces the coefficient of friction under thin film lubrication conditions. Excellent demulsification properties.
- Excellent thermal and oxidation stability. Prevents sludge formation at high temperatures.
- High anti-corrosive and anti-rust powers in the presence of moisture.
- High resistance to foam formation.
- Good separation in the presence of water.
- Facilitates controlled running and prevents pitting of gear teeth.
- Limits friction losses, smooth, uniform and silent gear operation.
- Increases gearing useful life by reducing the presence of oxidized compounds, wear particles and deposits in general.
- Notably increases oil change periods due to its excellent oxidation stability and easy water separation.

Specification

· DIN 51517 · U.S. STEEL 224 · AGMA 9005-E02 (EP) · DAVID BROWN S1.53.101
Type E · CINCINNATI MACHINE P-74 · MÜLLER WEINGARTEN

Typical Characteristics

CHARACTERISTICS	ASTM STANDARD	ORI-TECH GEAR OIL							
		68	100	150	220	320	460	680	1000
ISO grade	(ISO-3448)								
Density at 15 °C, g/cc	D-4052	0.886	0.890	0.894	0.899	0.904	0.908	0.91	0.907
Flash point COC, °C, mín.	D-92	210	215	215	220	220	225	230	230
Pour point, °C, máx.	D-5950	-21	-18	-18	-18	-12	-9	-9	-9
Viscosity at 100 °C, cSt	D-445	8.6	11.2	14.9	18.5	23.8	30.5	39.5	52.2
Viscosity at 40 °C, cSt	D-445	68.8	98.1	151.3	210.3	310	460	680	949
Load Timken OK, (lb)	D-2782	60	60	60	60	60	60	60	60
Test FZG, fail, mín.	(DIN-51384)	12	12	12	12	12	12	12	12
Four ball (D scar, mm máx.)	D-2266	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
AGMA Classification Nº	---	2EP	3EP	4EP	5EP	6EP	7EP	8EP	8AEP
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Health & Safety Environment

Health, safety and environmental information is provided for this product in the Materials Safety Data Sheet. This gives details of potential hazards, precautions and First Aid measures together with environmental effects and disposal of used products.