

Hi-Tech GEAR OIL EP SERIES

68 / 100 / 150 / 220 / 320 / 460 / 680

Industrial Extreme Pressure S/P Gear Oil

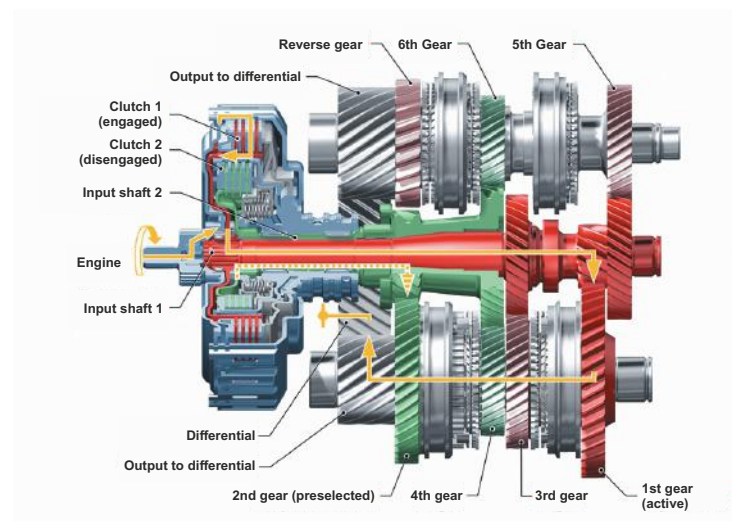
A New Generation Technology - Hi-Tech Gear Oil EP Series!

Hi-Tech Gear oil EP Series is a wide range of new generation lead-free, sulfur/phosphorus extreme pressure additive technology Industrial Gear oil lubricants that meets the stringent requirements of heavy industrial machinery.

Hi-Tech EP Series are multipurpose gear oils that contain extreme pressure and antioxidant additives for handling extreme pressure and heat conditions. These premium quality lubricants are known for their quality, consistency and ability to handle a variety of tough gear applications.

Major Highlights

Hi-Tech gear oil EP Series are manufactured with high quality, high VI mineral stocks and specially chosen additives manufactured under the highest level of quality assurance and control in our modern blending facilities.



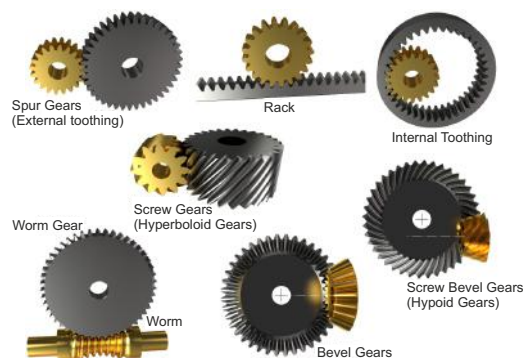
- Specifically developed for lubricating heavy-loaded gearboxes and rolling element bearings of industrial gear boxes.
- EP series gear oil are leading to lower operating temperature and efficiency improvement.
- It has been specially formulated with new generation extreme pressure additive which is chlorine free.
- It offers long term protection against wear, rust and corrosion.
- Excellent performance even when operated under very heavy & shock load conditions, particularly in the temperature upto 100°C.
- Provides resistance to sludge formation leads to outstanding system cleanliness and also ensuring good filterability.
- Good oxidation resistance extra long service life..
- Superior demulsibility to ease water removal.
- Provides high quality protection to gears and bearings surface by Resistance to micro-pitting.

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Wide Range of Applications

1. It can be used in enclosed gear drives of industrial machinery that works under heavy to shock load conditions.
2. These lubricants can be used for lubrication of roller bearings, chain drives and highly loaded drives under extreme pressure conditions.
3. Hi-Tech gear oil EP Series are used in a wide range of industrial spur, helical, bevel and steel-on-steel worm gearing.
4. It is used in industrial bearings- journal and rolling contact, especially operating at low speeds and high loads.
5. Also used in drives for conveyers, fans, agitators, dryers, mixers, presses, pulpers, pumps, screens, extruders, oil well pumps.



HI-TECH GEAR OIL EP SERIES PERFORMANCE LEVEL MEETS

DIN 51517 PART3 AGMA 9005-D94
US Steel 224
David Brown S1.53 101

AGMA standard 250.04, ASLE standard G-315, G-1000, G-1500, G-2150, IS:8406-1993, US Steel requirement No. 222 and 224 and IPSS:1-09-003 specifications

ISO Viscosity Grade	68	100	150	220	320	460	680
Viscosity, ASTM D 445							
mm ² /s @ 40°C	68	100	150	220	320	460	680
mm ² /s @ 100°C	8.65	11.25	14.75	19.0	24.4	30.6	35.85
Viscosity Index, ASTM D 2270	98	98	97	97	97	96	85
Weld Load, kg	190	195	200	250	250	250	250
Load Wear Index, kgf	47	47	47	48	48	48	48
Flash Point-°C, ASTM D 92	225	225	225	225	225	225	225
Copper Strip Corrosion, ASTM D 130, 3 hrs @ 100°C	1B	1B	1B	1B	1B	1B	1B
Colour	1.0	L2.5	L2.5	2.5	3.0	3.0	6.5
Timken OK Load- lbs ASTM D2782/IP 240	60	60	65	70	70	70	70
FZG Fail stage(A8 3/90) ISO 14635-1/DIN 51354	>12	>12	>12	>12	>12	>12	>12

Subject to usual manufacturing tolerances.

