

Hi-Tech GEAR OIL EP AUTO SERIES

Superior Performance EP Automotive Gear Oil

Product Description

Hi-Tech Gear Oil EP Auto Series is a superior performance EP (Extreme Pressure) gear oil for very highly loaded gears in general. It can also be used in automotive applications working under severe high speed / low torque and low speed / high torque conditions. Including heavy duty axles, conventional gear-boxes and steering-boxes on cars and trucks, gear-boxes, final drives, power take-offs on farm and earth-moving machinery. It can thus be used for lubricating all gears and all material types. Hi-Tech Gear oils formulated from high quality base stocks and selective balanced additive system, which provide protection against, wear, scoring and also exhibits excellent oxidation stability, long service life at elevated bulk oil temperatures. Hi-Tech Gear oil meets the requirements of the major automotive manufacturers.



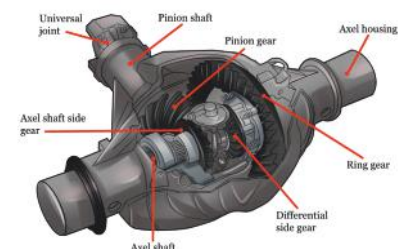
Major Advantages of Using Hitech Gear Oil EP Series



- **High Viscosity Index**- Less fluctuation of viscosity caused by the change of temperature assures smooth start up in low temperature and reduces loss of gear torque because of it's outstanding Outstanding lubrication properties.
- **High Oxidation Stability** - A combination of anti-oxidant and high refined base oil assures excellent oxidation stability under high temperature operating condition.
- **High Endurance Ability For Heavy Load** - Extreme pressure additive prevents welding & pitting at the contacting point of gears caused by heavy load.
- **Compatibility with rubber seals** – The seal protecting additive in added to protect your seals and rubber part up to the great extent. This will help in accidental loss of oil and part of gear box.
- **Prevent Foaming** - Addition of anti-foamer which can prevent foaming to be happened for smoother lubrication.
- **Prevent Corrosion & Rust** - Effective rust preventive agent and corrosion inhibitor prevent corrosion caused by water and acid produced through deterioration process.

Application

- Classic Gear EP series is a mineral transmission oil. The product is suitable for use in manual transmissions and other transmissions in vehicles/ industries that require a oil with extreme pressure protection that meets the medium to heavy duty requirements. It can be used areas like
- Heavy duty axles and final drives.
- Passenger cars, on highway light and heavy duty trucks, busses and vans.
- Off highway industries including: construction, mining, quarrying, and agriculture.
- Other heavy duty industrial and automotive applications involving hypoid gears operating under conditions where high speed/shock load, high speed/low torque, and/or low speed/high torque prevail.



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Product Typical Characteristics

Properties	Unit	Test Method	(GL 4)	(GL 4)	(GL 5)	(GL 5)
SAE Visco Grade	-	-	90	140	90	140
Density @25 °C	g/cm ³	ASTM D-4052	0.85	0.86	0.85	0.86
Viscosity @40 °C	mm ² /s	ASTM D-445	220	434	196	460
Viscosity @100 °C	mm ² /s	ASTM D-445	18.65	35.5	18.49	37.5
Viscosity Index	-	ASTM D-2270	103	122	105	124
Flash Point COC	°C	ASTM D-92	220	220	224	224
Pour Point	°C	ASTM D-97	-9	-9	-6	-6
Color	-	ASTM D-1500	L3	L3.5	L 4.0	L 5.0
Copper Corrosion	100 °C x 3h	ASTM D-130	1(1b)	1(1b)	1(1b)	1(1b)
Foaming 93.5 °C	ml	ASTM D-892	0-0	0-0	0-0	0-0
Foaming 24 °C	ml	ASTM D-892	0-0	0-0	0-0	0-0

Product Typical Characteristics

Properties	Unit	Test Method	(GL 4)	(GL 4)	(GL 5)	(GL 5)
SAE Visco Grade	-	-	80W/90	85W/90	85W/140	80W/140
Density @25 °C	g/cm ³	ASTM D-4052	0.85	0.85	0.86	0.86
Viscosity @40 °C	mm ² /s	ASTM D-445	198	200	457	458
Viscosity @100 °C	mm ² /s	ASTM D-445	18.94	18.79	37.46	37.53
Viscosity Index	-	ASTM D-2270	108	105	125	125
Flash Point COC	°C	ASTM D-92	194	220	220	220
Pour Point	°C	ASTM D-97	-15	-16	-15	-16
Color	-	ASTM D-1500	L 4.5	L 5	L 5	L 5
Copper Corrosion	100 °C x 3h	ASTM D-130	1(1b)	1(1b)	1(1b)	1(1b)
Foaming 93.5 °C	ml	ASTM D-892	0-0	0-0	0-0	0-0
Foaming 24 °C	ml	ASTM D-892	0-0	0-0	0-0	0-0

All packages should be stored under cover. where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration fo drum making. product should be stored above 60 °C, exposed to hot sun or freezing conditions.

