

SenSyn Synthetic EP

C220, C320, C460, C680, C1000
INDUSTRIAL GEAR LUBRICANTS
(GROUP IV)

DESCRIPTION :

SenSyn Synthetic EP Industrial Gear Lubricants are especially formulated to protect moderate to heavily loaded industrial gears and bearings.

The products provide excellent anti-wear and load carrying capability as well as unique feature of strong rust inhibitor and demulsibility performance.

SenSyn Synthetic EP Industrial Gear Lubricants meet or exceed the requirements of the industry standard U.S. Steel 224 and AGMA 250.04 EP gear lubricant specifications.

SenSyn Synthetic EP Industrial Gear Lubricants are blended with advanced 100% synthetic basestocks and EP additives. The products provide improved high temperature stability, cleanliness, low temperature fluidity and maximum lubricity.

The formulated products help to reduce costs by extending service intervals, eliminating seasonal oil changes and reducing power consumption.

SenSyn Synthetic EP Industrial Gear Lubricants are ideal for ball bearings, rollers, gears of bridge cranes where a lubricant meeting AGMA EP performance requirements is required and other types of anti-friction bearings. They are also suitable for use in most types of closed gears, except worm gears*.

* *Worm gear OEMs generally oppose the use of EP lubricants on worm gears made of soft bronze due to compatibility concerns.*



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TYPICAL PROPERTIES

ISO VISCOSITY GRADES	C220	C320	C460	C680	C1000
AGMA VISCOSITY GRADES	5EP	6EP	7EP	8EP	8A EP
Specific Gravity, 15.6°C (60°F)	0.877	0.885	0.882	0.892	0.890
Viscosity, cSt					
@ 40 °C	213	307	437	630	947
@ 100 °C	23.2	30.2	37.4	49.6	66.2
Viscosity Index	134	134	130	134	135
Pour Point, °C	-42	-40	-36	-34	-28
Flash Point, °C	227	224	224	210	204
Four Ball EP (D-2783), Weld Point, kg	315	315	315	315	400
Four Ball Wear (D-4172), mm					
20 kg, 1800 RPM, 54°C, 1 hour	0.25	0.25	0.25	0.25	0.25
40 kg, 1200 RPM, 75°C, 1 hour	0.38	0.38	0.38	0.38	0.38
Rust Test, D-665, A/B	Pass	Pass	Pass	Pass	Pass
Load Wear Index, kg	54	54	54	54	54
Foam Test (D-892), ml					
Sequence I	<20/0	<20/0	<20/0	<20/0	<20/0
Sequence II	Nil	Nil	Nil	Nil	Nil
Sequence III	<20/0	<20/0	<20/0	<20/0	<20/0
FZG Spur Gear Test, Pass Load Stage	12	12	12	12	12
Copper Corrosion (D-130), 100°C, 3 hours	1a	1a	1a	1a	1a
U.S. Steel 224 Specification	Pass	Pass	Pass	Pass	Pass
AGMA 250.04 EP Specification	Pass	Pass	Pass	Pass	Pass