



BANGCHAK INDUSTRIAL GEAR EP are premium-quality, multipurpose gear and bearing oils. They are developed to meet industry requirements for lead-free EP (Extreme Pressure) lubricants. The oils are formulated from paraffinic base oils and additives such as sulfur compounds (which ensure good high-speed and shock-load performance) and phosphorus compounds (for low-speed and high-load performance).

The other properties include:

- o Good thermal and oxidation stability, permitting continuous use at operating temperatures as high as 100 °C (Maximum recommended temperature is 110 °C)
- o They are also protected against rust, foaming, separate rapidly from water and non-corrosive to steel and cast iron.
- o They are not suitable for copper, bronze and silver.

REQUIREMENT

- o DIN 51517 Part 3 (CLP)
- o AGMA 9005-E02
- o AIST 224
- o David Brown S1.53.101(E)

APPLICATION

BANGCHAK INDUSTRIAL GEAR EP are recommended for splash or circulating lubrication of all types of enclosed gears especially where operating conditions involve heavy loads, high speeds and high relative sliding velocity (worm and hypoid gears) at elevated ambient and operating temperatures.

The oils can also be used to lubricate other heavily - loaded parts and 'components such as couplings, transmission screws and low speed plain and roller bearings in oil-mist lubrication systems.

FEATURE & BENEFITS



PROPERTIES	METHOD	BANGCHAK INDUSTRIAL GEAR EP									
		ISO 68	ISO 100	ISO 150	ISO 220	ISO 320	ISO 460	ISO 680	ISO 1000	ISO 3200	
AGMA Number	AGMA-9005-D94	2EP	3EP	4EP	5EP	6EP	7EP	8EP	--	--	
Viscosity @ 40 °C,cSt.	ASTM D445	61-75	90-110	135-165	198-242	288-352	414-506	612-748	900-1100	3150-3250	
Viscosity @ 100 °C,cSt.	ASTM D445	Report	Report	Report	Report	Report	Report	Report	Report	Report	
Viscosity index	ASTM D2270	95 Min	95 Min	95 Min	95 Min	95 Min	95 Min	95 Min	80 Min	80 Min	
Flash Point (COC), °C	ASTM D92	225 Min	235 Min	245 Min	245 Min	245 Min	245 Min	200 Min	200 Min	240 Min	
Color	ASTM D1500	2.0 Max	2.0 Max	3.0 Max	3.0 Max	L. 3.5 Max	3.5 Max	L. 6.0 Max	Dark Green	Dark Brown	
Foaming Tendency/ Stability	ASTM D892	25/50/25 Max	25/50/25 Max	25/50/25 Max	25/50/25 Max	25/50/25 Max	25/50/25 Max	25/50/25 Max	--	--	
Performance Test for EP											
o Timken OK Load (lbs)	ASTM D2782	65 Min	65 Min	65 Min	65 Min	65 Min	65 Min	65 Min	65 Min	65 Min	
o FZG (Damage Load Stage)	ASTM D5182	Pass 12	Pass 12	Pass 12	Pass 12	Pass 12	Pass 12	Pass 12	--	--	

Packaging: 200 Litres