



BEHRAN INDUSTRIAL GEAR OILS

USES

- **Behran Industrial Gear Oil** is suitable for using wherever industrial EP gear oil is required.
- It is recommended for heavily loaded gear sets including worm gears, industrial hypoid units and for gears that are subjected to shock loading.
- It is also suitable for using in plain bearings and in rolling contact (antifricition) bearings that are not affected by mild EP additives.

PROPERTIES

• **Behran Industrial Gear Oil** is a premium quality, general purpose industrial gear and bearing lubricant. It was developed to meet industrial requirements for lead free extreme pressure (EP) lubricants with high thermal stability. It has the excellent

extreme pressure properties of the lead/sulfur type gear oils with can be replaced with them ; it protects against foaming, separates readily from water and is non-corrosive to steel, copper and bronze.

- **Behran Industrial Gear Oil** is available in following ISO viscosity grades: 46, 68,100,150,220,320,460 and 1000 that meet the requirement of US Steel 224 specifications.
- **Behran Industrial Gear Oil** operating temperatures are high (the maximum recommended operating temperature is 110°C)
- The good oxidation and thermal stability of behran industrial gear oils maintains viscosity increase and sludge formation to very low levels at recommended operating temperatures.

TYPICAL CHARACTERISTICS

Specification	Test Method	46	68	100	150	220	320	460	680	1000
Kinematic Viscosity, @ 40 °C cSt	ASTM D-445	46	68	100	150	220	320	460	680	1000
		@ 100 °C cSt	6.7	8.5	11	14.5	19	24	30.5	42
Viscosity Index	ASTM D-2270	95	95	95	95	95	95	95	95	105
Pour Point °C	ASTM D-97	-27	-24	-21	-18	-15	-12	-9	-9	-3
Flash Point (COC)°C	ASTM D-92	210	226	230	234	240	244	246	248	250
Density @ 15 °C Kg/m ³	ASTM D-4052	882	885	889	891	898	900	903	904	905

- **BEHRAN INDUSTRIAL GEAR OIL PS** (based on poly alpha olefin) is a full synthetic Industrial Gear oil which can be used in -30°C until 120°C .
- Also **BEHRAN INDUSTRIAL GEAR OIL PG** in Iso viscosity grade 150, 220,320 & 480 which are based on poly alkylene glycol, are available.

Packaging

208 liter new steel drum

PERFORMANSE SPECIFICATION

U.S.Steel 224,DIN 51517 part 3(CLP),ANSI/AGMA 9005 E02, David Brown S 1.53-101

