



27-10 HUNTERS POINT AVE.
(49TH AVE.)
LONG ISLAND CITY
NEW YORK 11101-4498

TEL. (718) 784-7330
1-(800) 660-7330
FAX. (718) 392-8283

SALES@BLACKBEAROIL.COM
TECHNICAL@BLACKBEAROIL.COM
LUBRICANTS@BLACKBEAROIL.COM
FAX@BLACKBEAROIL.COM

BLACK BEAR SYNTHETIC INDUSTRIAL OILS

OVERVIEW

BLACK BEAR SYNTHETIC INDUSTRIAL OILS are fully synthetic and have been formulated from premium polyalphaolefins (PAO) base fluids for enclosed gear systems requiring ashless antioxidants and anti-wear. These oils have been designed to provide proper lubrication under hydrodynamic and mild boundary lubrication conditions. They are recommended for gear systems where moderate loads and high temperatures are expected, including worm gears containing soft metals such as bronze, brass and copper.

FEATURES & BENEFITS

BLACK BEAR SYNTHETIC INDUSTRIAL OILS are 100% synthetic PAO lubricants formulated for wide operating temperature ranges. Their low pour points and high flash points provide increased thermal and oxidative stability over mineral based lubricants.

APPLICATIONS

BLACK BEAR SYNTHETIC INDUSTRIAL OILS are designed to be multipurpose lubricants that can be used a wide variety of industrial applications. They are similar to petroleum oils in their compatibility to seals, hoses, gaskets and paint. Key applications include: rotary screw compressors, rotary vane compressors, centrifugal compressors, reciprocating compressors, vacuum pumps, hydraulic systems, blowers, enclosed spur, helical, bevel & worm gear units, plain and roller contact bearings, circulating and splash lubricated systems, and mist systems.

TYPICAL PROPERTIES

PRODUCT CODES	SYNIND-32	SYNIND-46	SYNIND-68	SYNIND-100	SYNIND-150	SYNIND-220	SYNIND-320	SYNIND-460	SYNIND-680
ISO Viscosity Grade	32	46	68	100	150	220	320	460	680
Viscosity, cSt @ 40 °C	31.1	47.3	68.6	95.2	156.3	230.4	311.3	486.2	676.7
Viscosity, cSt @ 100 °C	5.75	7.86	10.1	12.85	18.29	24.14	29.57	41.37	54.35
Viscosity Index	127	136	132	133	131	131	130	133	140
Flash Point, °C	240	136	238	260	260	262	270	270	270
Pour Point, °C	-48	-48	-48	-45	-45	-35	-33	-27	-25
Copper Corrosion	1B	1B	1B	1B	1B	1B	1B	1B	1B
Rust Prevention	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Evaporation, %	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%	<1%
Specific Gravity	0.86	0.86	0.87	0.87	0.87	0.87	0.88	0.88	0.88