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TECHNICAL DATA SHEET

HB-1228

Syngear

Synthetic EP Industrial Gear Lube

**ISO 32, ISO 46, ISO 68 (AGMA 2), ISO 100 (AGMA 3)
ISO 150 (AGMA 4), ISO 220 (AGMA 5) ISO 320 (AGMA 6),
ISO 460 (AGMA), ISO 680 (AGMA 8), and ISO 1000 (AGMA 8A)**

DESCRIPTION:

- Formulated using synthesized hydrocarbon fluid and select additives to enhance oxidation resistance and provide maximum protection against wear, rust, corrosion and foaming.
- These synthesized hydrocarbon fluids (SHF) provide significantly better thermal and oxidation stability, as well as increased protection against the loss of viscosity than do conventional good quality mineral oils.
- The high inherent viscosity index of these oils provides higher viscosity's and therefore greater film thickness at higher temperatures and lower viscosity's for easy start-up and minimal internal friction at lower temperatures.
- The low coefficient of friction of the HB-1228 lubricants substantially reduce power consumption and gearbox operating temperature, further prolonging the useable life of this lubricant.

APPLICATIONS:

- Recommended for use under severe high or low temperature conditions when lubricating industrial enclosed gears and heavily loaded plain or roller element bearings.
- Particularly recommended for applications where high oil temperatures result in short oil life or high maintenance costs.
- Also recommended for use in applications where the corrosion of yellow metals is a concern as these lubricants do not contain additives which tend to attack metals such as brass, bronze or copper.
- Compatible with essentially all seal materials, plastics and paint, including nitrile Bona N, neoprene, viton, Teflon, polyethylene, polyurethane ether, fluorocarbon, polyacrylate, polysulfate, ethylene acrylic, epoxy, plastisol, PVC, acrylic paint and lacquer.

TYPICAL PROPERTIES:

CHARACTERISTICS						
SPECIFIC GRAVITY	.876	.875	.865	.883	.890	.905
APPROXIMATE ISO GRADE	150	220	320	460	680	1000
ACMALUBRICANT NUMBER	4EP	5EP	6EP	7EP	8EP	—
VISCOSITY SUS @ 100°F(38°C)	682	980	1338	2155	3000	4804
VISCOSITY SUS @ 210°F(99°C)	87.6	111.6	132.6	183.0	226.7	319.8
VISCOSITY Cst @ 100°F (38°C)	147.2	211.5	288.9	465.3	647.6	993.9
VISCOSITY Cst @ 210°F (99°C)	17.41	23.05	27.80	38.90	48.40	68.48
VISCOSITY INDEX	139	143	137	137	135	143
POUR POINT °F(°C)	-60 (-51.1)	-50 (-45.5)	-45 (-42.8)	-4S (-42.8)	-40 (-40.0)	-30 (-34.4)
FLASH POINT °F (°C)	440 (227)	450 (232)	450 (232)	460 (238)	470 (243)	450 (232)
COPPER CORROSION	1B	1B	1B	1B	1B	1B