beacon lubricants INC.
P.O. Box 754,
Edinboro, PA 16412-0754
sales@beaconlubricants.com
toll free: (877) 734-7334
phone: (814) 734-7535
fax: (814) 734-3460
technical data sheet

Signal Tech Industrial Gear Oils

Product Application:

Signal Tech Industrial Gear Oils are a line of premium industrial grade full synthetic heavy duty gear oil designed for the lubrication of bearing and gear sets encountered in industrial settings.

Signal Tech Industrial Gear Oils are formulated using the latest polyalphaolefin base stocks and are blended with the most current additive componentry to provide excellent lubrication in all types of gear mediums. It's exceptionally resistant to thermal, mechanical and oxidative break down, thus providing for excellent lubrication in extended run situations.

Features and Advantages:

*Ability to maintain proper viscosity at high temperatures
*Friction reduction
*Low traction coefficient
*High load carrying capability

Package Size:

Bulk, Drums, Pails

Meets or Exceeds the following Specifications

	32	46	68	100	150	220	320	460	680	1000
AGMA 9005 E02	X	X	X	X	X	X	X	X	X	X
DIN 51517-3 CLP				X	X	X	X	X	X	X
ISO 1295-1 CKB	X									
ISO 12925-1 CKD		X	X	X	X	X	X	X	X	X
Fives Cincinnati										
SIEMENS AG Flender gear units, T 7300, Table A-c, Flender Code No.					A36	A35	A34	A33	A32	A31
SEW IG CLP HC	32		68		150	220		460		
SEW SG CLP HC	32		68		150	220	320	460	680	1000

Typical Characteristics:

ISO Viscosity Grade	32	46	68	100	150	220	320	460	680	1000
Viscosity, ASTM D 445										
cSt @ 40°C	32	46	68	100	150	220	320	460	680	1000
cSt @ 100°C	6.3	8.5	11.6	15.3	21.1	28.5	38.5	50.7	69.0	98.8
Viscosity Index, ASTM D2270	147	161	165	162	166	169	172	174	181	184
Pour Point,°C,ASTM D5950	-57	-54	-51	-45	-42	-42	-42	-39	-39	-33

Flash Point,°C, ASTM D92	236	225	225	235	220	220	225	228	225	222
Density @15°C (60°F) (g/cc) ASTM D4052	0.85	0.85	0.86	0.86	0.87	0.87	0.87	0.87	0.87	0.87
Appearance	Orange for all									
TOST, ASTM D 943 mod, hours	10,000+ for all									
RPVOT, ASTM D2722, minutes	2500 for all									
Rust protection, ASTM D665B Synthetic Sea Water	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Water Separability, ASTM D1401, Min. to 37 ml Water @ 54°	10	15	15	-	-	-	-	-	-	-
Water Separability ASTM D1401 Min. to 37 ml Water @ 82°C	-	-	-	15	20	20	20	20	20	25
Copper Corrosion, ASTM D130, 24 hrs @ 121°C	1B for all									
Stability, ml/ml										
FZG gear scuffing test, A/8.3/90, ISO 14635-1 (mod), Failure Stage	11	12	12	12	13	13+	13+	13+	13+	13+
FAG FE8 Bearing Wear Test 7.5/80-80 ((DIN 51819-3)	-	-	-	2	2	2	2	2	2	2
Roller Wear (mg)										
Foam Test, ASTM D892, Seq I, II, IIITendency / Stability, ml/ml	15/0, 20/0, 25/0	10/0, 30/0, 10/0	10/0, 20/0, 10/0	0/0 10/0 0/0	0/0 0/0 0/0	0/0 10/0 0/0	0/0 0/0 0/0	0/0 0/0 0/0		

Visit us at – www.beaconlubricants.com