

PRODUCT INFORMATION

ECOSE[®] SYNTHETIC HT GEAR & BEARING OIL

Synthetic, Rust and Oxidation (R&O) – inhibited Circulating Oil

ECOSE[®] Synthetic HT Gear & Bearing Oils are synthetic gear and bearing lubricants for **high temperatures** with long service life. They offer outstanding oxidation resistance to minimize sludge and varnish formations. ECOSE[®] Synthetic HT Gear & Bearing Oils are high quality rust and oxidation inhibited oils fortified with ashless anti-wear additives for excellent gear and bearing protection not requiring extreme protection (EP) protection.

FEATURES AND BENEFITS:

ECOSE[®] Synthetic HT Gear & Bearing Oils are series is designed to withstand sustained extreme temperatures over a very long service life.

- Extremely low pour point
- Excellent rust and corrosion protection
- Excellent oxidation resistance and thermal stability
- Designed to improved efficiencies in compressors and gearboxes
- Excellent lubrication flow characteristics over very wide temperature range

APPLICATIONS:

ECOSE[®] Synthetic HT Gear & Bearing Oils are recommended for **non-EP** type gear and R&O bearing service where excellent lubrication is required over a very long service life, including temperature extremes. These lubricants are designed for extended service drains as well as recommended for use in oil-flooded rotary screw compressors in the proper viscosity grade.

TYPICAL PROPERTIES

ISO Viscosity Grade		32	46	68	100	150
Product Code	Test Method	543798	543800	543801	543802	543803
Viscosity, cSt @ 40°C	ASTM D-445	32.0	46.5	68.0	98.0	149.0
Viscosity, cSt @ 100°C	ASTM D-445	6.0	7.8	11.4	13.8	18.5
Viscosity Index	ASTM D-2270	136	137	162	142	140
Flash Point, COC, °F (°C)	ASTM D-92	478(248)	478(248)	554(290)	550(288)	557(292)
Pour Point, °F (°C)	ASTM D-97	-54 (-48)	-49 (-45)	-44 (-42)	-44 (-42)	-40 (-40)
Four Ball Wear, 40kg, mm	ASTM D-2266	0.32	0.32	0.31	0.31	0.30
Oxidation Life, Hours		>10,000	>10,000	>10,000	>10,000	>10,000

ISO Viscosity Grade		220	320	460	680	1000
Product Code	Test Method	543804	543805	543806	543807	543808
Viscosity, cSt @ 40°C	ASTM D-445	215	312	455	680	1050
Viscosity, cSt @ 100°C	ASTM D-445	26	35	45	61	98.5
Viscosity Index	ASTM D-2270	154	158	154	157	185
Flash Point, COC, °F (°C)	ASTM D-92	554(290)	554(290)	545(285)	572(300)	520(270)
Pour Point, °F (°C)	ASTM D-97	-40 (-40)	-36 (-38)	-36 (-38)	-36 (-38)	-4 (-20°C)
Four Ball Wear, 40kg, mm	ASTM D-2266	0.30	0.30	0.32	0.32	0.40
Oxidation Life, Hours		>10,000	>10,000	>10,000	>10,000	N/A

**Values shown are typical only and do not constitute a specification. Minor variations in product are to be expected in normal manufacturing.*

AVAILABILITY:

ECOSE[®] Synthetic HT Gear & Bearing Oils are available throughout Nu-Tier Brand’s marketing area. Your Nu-Tier representative can provide specific information. Need additional information? Call Nu-Tier Brands @1-877-771-LUBE (5823) or visit Nu-tierbrands.com.