



SYNTHETIC GBC Gear, Bearing and Compressor Oils

Description

Synthetic Gear, Bearing and Compressor (GBC) Oils are high quality rust and oxidation inhibited synthetic oils fortified with ashless, non-zinc anti-wear and mild EP additives for excellent gear and bearing protection.

Synthetic Gear, Bearing and Compressor Oils protect against rust, corrosion, and deposit formation. They are highly resistant to oxidation and minimize sludge and varnish formation for dependable and durable service.

Synthetic Gear, Bearing and Compressor Oils are designed for superior performance in a wide variety of industrial applications including hydraulics, compressors, circulating systems, pumps and helical spur or worm gearboxes where appropriate.

Features/Benefits

- ✓ **Anti-wear and Mild EP Additives Extend Equipment Life**
- ✓ **Excellent Cold Flow Properties**
- ✓ **Thermally Stable**
- ✓ **Excellent Deposit control**
- ✓ **Excellent Demulsibility**
- ✓ **Non-corrosive to Yellow Metals**

Specifications:

THRIVE Synthetic GBC Oils are designed for use in equipment calling for:

AGMA 9005-E02 (R&O)
DIN 51517 Part 3
ISO 12925-1 (CKT)
Cincinnati Machine P-39 (worm)

Physical, Chemical & Performance Properties

| | |
|------------------------------|------------|
| Product Number | 549 |
| ISO Viscosity Grade | 680 |
| Viscosity @ 100°C cSt | 70 |
| Viscosity @ 40°C cSt | 689 |
| Viscosity Index | 178 |
| Density (lb/gal) | 7.14 |
| Flash Point °C (°F) | 290 (554) |
| Fire Point °C (°F) | 302 (576) |
| Pour Point °C (°F) | -36 (-33) |
| Foam Tendency | 0/10/0 |
| Copper Corrosion | 1A |
| FZG Failure Stage (A/8.3/90) | >12 |



Application Recommendations

Gears

Synthetic Gear, Bearing and Compressor Oils are compatible with petroleum oils, most synthetic oils and most seals, paints, plastics and materials commonly used in enclosed industrial gear sets. **Synthetic Gear, Bearing and Compressor Oils** are not compatible with synthetic polyglycol (PAG) gear oils. Higher viscosity grades ISO 320 and ISO 460 are commonly used for worm gears. While **Synthetic Gear, Bearing and Compressor Oils** provide excellent anti-wear and mild EP protection, they are not full extreme pressure (EP) fortified gear oils. For high EP gear oils, refer to U.S. Lubricants' full line of **Synthetic Extreme Pressure (EP) Industrial Gear Oils**.