

PRODUCT BULLETIN

SYNAVEX™ Industrial EP Gear Oil 220

PRODUCT #566

CAM2 SYNAVEX™ Industrial EP Gear Oils are full synthetic heavy duty extreme pressure industrial gear oils manufactured with the highest quality PAO synthetic base oil for extended service protection of enclosed industrial gears and bearings operating under mild to severe load conditions over a wide temperature range.

Premium quality **CAM2 SYNAVEX™ Industrial EP Gear Oils**, through the combination of high quality PAO synthetic base oils and premium additive technology, provide superior protection against scuffing and micropitting and can significantly reduce energy consumption by up to 3.5% versus conventional based fluids. The inherently high viscosity index associated with PAO based fluids allow for use in both extreme hot and cold conditions reducing the need for multiple fluids.

Using **CAM2 SYNAVEX™ Industrial EP Gear Oils** may allow longer drain intervals, extended equipment life, and a significant reduction in maintenance cost and downtime. They are exceptionally stable over a wide range of temperatures, have high load carrying capacity and separate quickly from water. They are specially formulated with Polyalphaolefin (PAO) base stocks for ultimate performance.

CAM2 SYNAVEX™ Industrial EP Gear Oils offer outstanding rust and corrosion protection relative to conventional gear oils, even in the presence of seawater contamination. They show no tendency to plug fine filters even when wet and have excellent compatibility with ferrous and non-ferrous metals even at elevated temperatures. They have outstanding EP properties that provide protection even under shock load conditions. The synthetic base stocks used in SYNAVEX™ Gear Series oils have inherently low traction properties that result in low fluid friction in the load zone of non-conforming surfaces such as gears and rolling element bearings. Reduced fluid friction produces lower operating temperatures and can help improve gear efficiency.

See Technical Data on pg 2.

FEATURES

- **Excellent thermal & oxidative stability** - Helps extend oil life and drain intervals and reduce oil consumption, which can lower maintenance costs
- **Excellent load carrying ability** - for use in severe service applications
- **Polyalphaolefin (PAO) base oil** - allows for use over a much wider temperature range compared to conventional fluids
- **Excellent extreme pressure performance** - minimizes scuffing and micropitting extending service life
- **Excellent water separation** - excellent demulsibility even in the presence of salt water
- **Excellent sludge prevention** - oxidative stability eliminates sludge buildup

APPLICATIONS

CAM2 SYNAVEX™ Industrial EP Gear Oils may be recommended for the following applications:

- Din 51517-3
- US Steel 224
- ISO 12925-1 CKD
- ISO 12925-1 CKT (ISO 150 / 220)
- Cincinnati Machine (Gear C Series)
- AGMA 9005-E02 EP
- GM LS-2
- SIEMENS AG Flender T 7300
- SEW Eurodrive / SEW IG CLP HC
- GE Motorized Wheel D50E35
- David Brown S1.53.101 Type E
- Eickhoff Gear



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TECHNICAL DATA

| ISO GRADE | 150 | 220 | 320 |
|--------------------------------------|-------|------|------|
| Product Code | 565 | 566 | 567 |
| AGMA No. | 4 EP | 5 EP | 6 EP |
| Viscosity @ 40°C, cSt, D445 | 152.1 | 215 | 325 |
| Viscosity @ 100°C, cSt, D445 | 18.9 | 26 | 38 |
| Viscosity Index, D2270 | 150 | 160 | 160 |
| API Gravity, D287 | 32.4 | 32.0 | 31.8 |
| Pour Point, °C, D97 | -40 | -40 | -40 |
| Flash Point, (COC), °C, D92 | 250 | 250 | 250 |
| Timken Ok Load, lb, D2782 | 70 | 70 | 70 |
| 4 Ball Wear Test, 20 kg, D2783 | 57 | 57 | 57 |
| Weld Point, kg | 400 | 400 | 400 |
| Wear Scar Diameter, mm, D2266 | 0.27 | 0.27 | 0.27 |
| Demulsibility, Free Water, ml, D2711 | 0 | 0 | 0 |
| Rust Test, D665A | 0.3 | 0.3 | 0.3 |
| Copper Strip, D130 | 1A | 1A | 1A |
| Foam Volume, ml, Seq. 1, D892 | 0/0 | 0/0 | 0/0 |

Contact your CAM2 representative or CAM2 distributor for additional information.

CAM2 INTERNATIONAL, LLC

211 Violet Street Suite 100 • Golden, CO 80401

Telephone 800/338-2262 • Fax: 303/679-8988

www.CAM2.com