

Product Description

D-A GTD[™] gear lubricant is a mild EP gear lubricant designed to meet the lubrication needs of gear trains requiring the use of an extreme pressure lubricant. It is especially well-suited for use in severe service equipment such as rock crushers. GTD is formulated with quality base oils and carefully selected additives resulting in a product which will provide excellent antiwear protection under heavy loads while also guarding against rust and corrosion, even when the system is idle. Special inhibitors are also present which limit oil oxidation and deposit formation even at high operating temperatures.

D-A GTD is available in seven ISO grades to provide optimum protection under any operating condition.

Product Features and Benefits

Unique balance of extreme pressure additives extends equipment life through minimized gear wear.

Limits wear during equipment start-up and acceleration, as well as during extreme loading conditions, by minimizing metal-to-metal contact, providing excellent heavy load protection during low speed/high-torque service.

Specially formulated to control rust and corrosion of all types of metal surfaces.

Compatible with yellow metals such as brass, bronze and copper to resist excess wear.

Quality base oils and antioxidant additive produce a lubricant with excellent resistance to high temperature degradation for longer lubricant life.

PRODUCT AT A GLANCE

- GL-3 Gear Oils
- Use in Severe Service Equipment
- Compatible with Yellow Metals
- Resists High Temperature Degradation



D-A Lubricant Company, Inc.

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Typical Applications

Gearcases and speed reducers requiring EP gear lubricant
 Hand oiled or drip-fed bearings
 Jaw crushers and vibrating screen gearboxes and bearings requiring EP gear oil lubrication
 Oil lubricated antifriction bearings subject to shock loads

AGMA 250.04 and AGMA 9005 D94, EP - All Grades
 AIST (US Steel) 222 and 224 - All Grades
 API GL-3
 Bijur Equipment - All Grades
 Cincinnati Lamb P-63 (ISO 68); P-76 (ISO 100); P-77 (ISO 150); P-74 (ISO 220); P-59 (ISO 320); P-35 (ISO 460)
 DIN 51354, Part 2 (FZG Test) and DIN 51517, Part 3 (CLP) - All Grades
 Omnicone and HP Crushers (ISO 150)
 Symons, Telsmith, Allis Chalmers and other gyratory and cone crushers as a circulating lubricant
 Symons and Nordberg Gyradisc Crushers (ISO 68)

Typical Properties

| ISO Viscosity Grade | ASTM D2422 | 68 | 100 | 150 | 220 | 320 | 460 | 680 | |
|-----------------------------|------------|-------|-------|-------|-------|---------|-------|-------|--|
| AGMA Grade | | 2EP | 3EP | 4EP | 5EP | 6EP | 7EP | 8EP | |
| Viscosity @ | | | | | | | | | |
| 210°F, SUS | ASTM D445 | 56 | 66 | 77 | 96 | 119 | 145 | - | |
| 100°F, SUS | ASTM D445 | 375 | 538 | 750 | 1177 | 1714 | 2174 | - | |
| 100°C, cSt | ASTM D445 | 8.7 | 11.7 | 14.8 | 18.8 | 24.1 | 30.6 | 35.6 | |
| 40°C, cSt | ASTM D445 | 69 | 105 | 154 | 222 | 323 | 466 | 684 | |
| Viscosity Index | ASTM D2270 | 95 | 95 | 95 | 95 | 95 | 95 | 85 | |
| Flash Point °F | ASTM D92 | 415 | 445 | 455 | 460 | 465 | 470 | 470 | |
| °C | ASTM D92 | 213 | 229 | 235 | 238 | 241 | 243 | 243 | |
| Pour Point °F | ASTM D97 | -17 | 0 | -13 | +1 | +1 | +5 | +7 | |
| °C | ASTM D97 | -27 | -18 | -25 | -17 | -17 | -15 | -14 | |
| Timken OK Load, lbs. | ASTM D2509 | | | | | 65 | | | |
| FZG Test, Load Stage Pass | ASTM D5182 | | | | | 12 | | | |
| 4 Ball EP Test | | | | | | | | | |
| Load Wear Index | ASTM D2266 | | | | | 45 | | | |
| Weld Point, Kg | ASTM D2596 | | | | | 250 | | | |
| Copper Corrosion Protection | ASTM D4048 | | | | | 1b | | | |
| Rust Protection Test | ASTM D1743 | | | | | No Rust | | | |
| | Drum | 13302 | 13312 | 13322 | 13332 | 13342 | 13352 | 13362 | |
| | Metal Pail | 13309 | 13319 | 13329 | 13339 | 13349 | 13358 | 13369 | |



To Order D-A Products, Call 1-800-OIL-LUBE (1-800-645-5823) or Fax orders to 765-482-3065

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