

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. D-A **GTD™** is formulated with quality base oils and carefully selected additives resulting in a product which will provide excellent anti-wear 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.

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	Test Method	68	100	150	220	320	460	680	1000
AGMA Lubricant Number		2EP	3EP	4EP	5EP	6EP	7EP	8EP	8A EP
Viscosity @100°C, cSt	ASTM D445	8.7	11.7	14.8	18.8	24.1	30.6	37.5	45.6
@ 40°C, cSt	ASTM D445	69	105	154	222	323	466	680	1000
Viscosity Index	ASTM D2270	95	95	95	95	95	95	90	85
Pour Point, °F (°C)	ASTM D97	-17 (-27)	0 (-18)	-13 (-25)	1 (-17)	1 (-17)	5 (-15)	14 (-10)	23 (-5)
Flash Point, °F (°C)	ASTM D92	415 (213)	445 (229)	455 (235)	460 (238)	465 (241)	470 (243)	473 (245)	473 (245)
API Gravity	ASTM D4052	31.9	29.0	29.6	28.9	26.1	22.6	23.4	22.7
FZG Test, Pass Stage	ASTM D5182	12	12	12	12	12	12	12	12
Copper Strip Corrosion	ASTM D130	1b	1b	1b	1b	1b	1b	1b	1b
Rust Test	ASTM D665	Pass	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Timken OK Load, lbs	ASTM D2509	65	65	65	65	65	65	65	65

D-A Part Number:

Bulk	13301	13311	13321	13331	13341	13351	13361	13371
Tote – 330 Gal	13303	N/A	13323	13333	13343	N/A	N/A	N/A
Drum – 400 lb	13302LB	13312LB	13322LB	13332LB	13342LB	13352LB	13362LB	13372LB
Pail (Metal) – 35 lb	13309LB	13319LB	13329LB	13339LB	13349LB	13359LB	13369LB	N/A
Pail (Plastic) – 35 lb	N/A	N/A	13328LB	N/A	N/A	N/A	N/A	N/A