

S E L C O SG - 370

SYNTHETIC LUBRICATING GREASE

DESCRIPTION

SELCO SG-370 is manufactured from a synthesized hydrocarbon fluid and a non-soap thickener. Its consistency is between an NLGI No.1 and No.2. It offers outstanding performance over wide temperature ranges, with the excellent retention and resistance to high-temperature degradation. In addition, it resists water washing, provides superior load-carrying ability, reduces frictional drag, and prevents excessive wear.

Other tests show that **SELCO SG-370** prevents friction oxidation (fretting) and lubricates rolling element bearing under conditions of high speeds and temperatures. It has also shown superior ability to lubricate heavily loaded sliding mechanisms, such as wing flap screwjacks.

APPLICATION

SELCO SG-370, is designed for the lubrication of plain and rolling bearings at low to high speeds, and splines, screws, worm gears, and other mechanisms, where high friction reduction, low wear, and low lubricant friction losses are required. It provides minimum resistance to starting at extreme low temperature (down to -54° C/ -65° F.), as well as low running torque.

SELCO SG-370, is recommended for use in landing wheel assemblies, control systems and actuators, screwjacks, servo devices, sealed-bearing motors, oscillating bearings, and helicopter rotor bearings on military and civil aircraft and on naval shipboard auxiliary machinery. It is also recommended for industrial lubrication, including sealed or repackable ball and roller bearings wherever extreme temperature conditions, high speeds, or water washing resistance are factors. Typical applications include conveyor bearings, small alternator bearings operating at temperatures near 177° C. (350° F.), high-speed miniature ball bearings, and bearing situations where oscillatory motion, vibration, and fretting create problems.

CHARACTERISTICS

Physical characteristics are listed in the table. Values not shown as maximum or minimum are typical and may vary slightly. In addition, pertinent test properties are given to exhibit performance characteristics of the grease.

ADVANTAGES

Improved friction reduction
Low lubricant drag
High thermal stability
Extreme-pressure characteristics

Low wear rates
Wide temperature range
Compatibility with mineral-oil-base greases
High resistance to water washing

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Thickener Type	Nonsoap
Fluid Type	Synthetic Hydrocarbon
Structure	Smooth, Buttery
Penetration, ASTM D217, 25° C. (77° F.), 60 Strokes	305
Dropping Point, ° C.(° F.), ASTM D 566, IP 132	None
Corrosion Prevention, ASTM D 1743	Pass
Load Wear Index, ASTM D 2596 kg.	30
Copper Corrosion, ASTM D 130, 24 hr. at 100 °C (212 °F.)	None
Water Washout, ASTM D 1264, 38° C. (100° F.)	1
Four-Ball Wear Test, 40 kg. at 75° C. (167° F.), 1200 rpm, 1 hr., Scar Diam, mm, ASTM D 2266, max.	1.30
Evaporation Loss, ASTM D 972, 22 hrs. at 177° C.(350° F.), wt%	10