



Product Data

Castrol Braycote 610

Coolant Fluid, Hydrolytically Stable
Dielectric

Description

Castrol Braycote™ 610 is an advanced lithium-complex thickened, amber-colored multi-purpose NLGI Grade 2 grease. This product is composed primarily of synthetic hydrocarbon base stocks, gelling agents, anti-oxidants and corrosion inhibiting additives.

Temperature Range

Braycote 610 is designed to operate over the temperature range of -54°C to 121°C (-65°F to 250°F).

Application

Braycote 610 is intended for use as a long-life, general-purpose lubricant and to provide surface corrosion protection of all ground vehicles and equipment. It is also an excellent lubricant for automotive and industrial applications where a wide temperature range or where infrequent re-greasing is preferred. This grease may be used in other applications where a NLGI Grade 2 grease with good oxidation and salt water corrosion resistance is desirable.

Specification

Braycote 610 meets the requirements of and is qualified to MIL-PRF-10924G. NATO Code Number: G-403. Military Symbol: GAA.

Typical Characteristics

TEST METHOD	DESCRIPTION	RESULT
D 217	Penetration, @ 25°C (77°F), mm ⁻¹ Worked, 60 Strokes	281
Spec. 4.7.5	Worked Stability @ 25°C (77°F), mm ⁻¹ 100,000 Double Strokes, Change	+33
D 2265	Dropping Point, °C (°F)	264 (507)
D 972	Evaporation Loss, % wt 22 hrs @ 99°C (210°F)	2.5
D 1742	Oil Separation During Storage, % wt 24 hrs @ 25°C (77°F), 0.25 psi Air	1.6
D 4048	Copper Strip Corrosion 24 hrs @ 100°C (212°F)	1a
D 1743 Mod.	Rust Prevention Rating Salt Water, 48 hrs @ 52°C (125°F)	Pass 1,1,1
D 942	Oxidation Stability, Pressure Drop, kPa 100 hrs 400 hrs	4 17
D 2266	Four-Ball Wear-Test, AWSD, mm 40 kgf, 1 hr, 75°C (167°F), 1200 rpm	0.43
D 2596	Four-Ball Extreme-Pressure Test, kgf Weld Point Load Wear Index (LWI)	250 44
D 2509	Timken OK Load, lbf	30
D 4693	Low-Temperature Torque, N.m @ -54°C (-65°F) Starting Running, 5 minutes	3.68 1.69
D 3527	Life Test, Automotive Wheel Bearing 1000 rpm, 160°C (320°F), hrs	160
D 1831	Roll Stability Test, mm ⁻¹ 2 hrs, 165 rpm, Penetration Change	+18
Spec. 4.7.3	Water Stability Test, Penetration Change @ 25°C (77°F), 10% Water, 100,000 Strokes	+19

Subject to usual manufacturing tolerances.

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