



Braycote 622

Grease, General Purpose

Description

Castrol Braycote™ 622 is a synthetic hydrocarbon base, non-soap thickened grease. It offers outstanding high and low temperature properties, water resistance, and extreme pressure characteristics making it suitable for applications that exceed the capabilities of the best conventional greases. Braycote 622 has good oxidation and corrosion resistance, low bleed and evaporation rate, and minimal effect on rubber seals. Its compatibility with mineral oil base greases is an added advantage.

Application

Braycote 622 is particularly suited for aircraft applications such as wheel bearings, helicopter rotor bearings, control systems, applications including conveyor bearings, small alternator bearings operating at temperatures near 350°F (177°C), high speed miniature ball bearings, and bearing situations where oscillation, vibration, and fretting create problems.

Typical Characteristics

Name	Method	Units	
Penetration @ 25°C (77°F) mm-1 worked 60 strokes	D 217	281	
Worked stability, penetration, mm-1, 100,000 @ 25°C (77°F)	FTM 313	315	
Dropping Point, °C (°F)	D 2265	275 (>500)	
Copper strip corrosion, 24hrs @ 100°C (212°F)	FTM 5309	1a	
Evaporation Loss, % wt 22hrs @ 176°C (349°F)	D 2595	4.34	
Four-ball wear test, AWSD, mm 1200 rpm, 40 kgf, 1 hr @ 75°C (167°F)	D 2266	0.62	
Four-ball extreme pressure weld, kgf	D 2596	45	
Low-temperature torque, N.m @ -54°C (-65°F) starting, running 1hr	D 1478	0.32, 0.05	
Particulate contamination per mL, 25-74 microns	FTM 3005	72	
Water washout @ 38°C % loss	D 1264	>1	
Oil separation, 30 hours @ 350°F, % wt	F 321	>6	
Specific gravity @ 16°C (60°F), pounds per gallon @ 16°C (60°F)	D 287	0.882, 7.34	

Subject to usual manufacturing tolerances.

Additional Information

Temperature Range

Braycote 622 is designed to operate over the temperature range of -54°C to 177°C (-65°F to 350°F).

Specification Castrol

Braycote® 622 meets all the requirements of, and is qualified under military specification MIL-PRF-81322G, NLGI Grade 2 and DOD-G-24508A, Amendment 4 (NAVY).

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01 Jul 2013

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