



Product Data

Castrol Brayco 599 Rust Preventive Concentrate for Synthetic Turbine Oil

Description

Castrol Brayco™ 599 is a specially designed synthetic base, dark amber, rust preventative concentrate.

Applications

Brayco 599 is designed for use as an additive for turbine engines and helicopter transmissions which use MIL-PRF-23699 lubricating oil. Brayco 599 should be added to the oil sump immediately after an oil change when the equipment is intended to be placed in storage, especially in locations where high humidity and salt spray are present. The corrosion-inhibited oil should be capable of limited use, not to exceed 25 hours. Consult the engine manufacturer's manual to determine specific engine model recommendations and/or limitations.

Preparation

To receive full protection for extended equipment storage, it is recommended to add Brayco 599 in concentrations between 10 and 15 percent by volume. Lower concentrations, between 5 and 10 percent, may be suitable for some component storage applications depending upon storage conditions and length of storage. Consult the engine manufacturer's maintenance manual or service bulletin to determine specific engine model dilution ratio recommendations.

Shelf Life

Brayco 599 has a maximum recommended shelf life of 9 years from date of manufacture. This shelf life assumes that the product is stored in its original unopened packaging in ambient temperature conditions.

Specifications

Brayco 599 is used in MIL-PRF-23699 synthetic turbine oils at 10-15% by volume addition for storage. It meets the requirements of General Electric, Aircraft Engine Group Specification D50TF6-S1.

Typical Characteristics

Test	Method	Units	Specification Requirements	Result
API Gravity	ASTM D287	degrees	17.4-6.6	13
Specific Gravity @16°C/60°F	Table 3		0.95-1.02	0.98
Density @16°C/60°F	Table 8	Lbs/gal	7.914-8.534	8.1
Kinematic Viscosity @99°C/210°F @38°C/100°F	ASTM D445	cSt	6.6 Typical 40-48	7.0 46
Flash Point, COC	ASTM D92	°C/°F	218/425 Minimum	226/440
Total Acid Number	ASTM D664	mg KOH/gm	23 Typical	24
Pour Point	ASTM D97	°C/°F	-51/-60 Maximum	-54/-65
Color	ASTM D1500		4.0 Typical	3.5
Rust-Preventing Characteristics, Procedure B, 1.2% Dilution 48 hrs @60°C/140°F	ASTM D665	Pass/Fail	Pass	Pass

Subject to usual manufacturing tolerances.

Health, safety and environmental information are provided for this product in the Materials Safety Data Sheet. This gives details of potential hazards, precautions and First Aid measures, together with environmental effects and disposal of used products. User accepts all risks and liabilities if the product is used other than in the manner, with the precautions, or for the purpose(s) specified. Before using the product other than directed, please contact Castrol ILS for consultation.

Brayco 599
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All reasonable care has been taken to ensure that the information contained in this publication is accurate as of the date of printing. However, such information may, nevertheless, be affected by changes in the blend formulation occurring subsequent to the date of printing. Material Safety Data Sheets are available for all Castrol Ltd products. The MSDS must be consulted for appropriate information regarding storage, safe handling and disposal of a product.

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