



**Castrol Brayco® 599**  
*Rust Preventative Concentrate  
for Synthetic Turbine Oil*

## PRODUCT DATA SHEET

### DESCRIPTION

*Castrol Brayco® 599* is a specially designed synthetic base, dark amber, corrosion preservative additive concentrate.

### USE

*Castrol Brayco® 599* is designed for use as an additive for turbine engines and helicopter transmissions which use MIL-PRF-23699 lubricating oil. *Castrol 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, Castrol recommends addition of *Castrol 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.

### PACKAGING

*Castrol Brayco® 599* is available in 55 gallon drums, 72/8 oz cases and 12/8 oz cases.

### SPECIFICATIONS

For use in MIL-PRF-23699 synthetic turbine oils at 10-15% by volume addition for storage. Meets the requirements of General Electric, Aircraft Engine Group Specification D50TF6-S1.

## CASTROL BRAYCO® 599 TYPICAL PROPERTIES

TEST METHOD	DESCRIPTION	SPECIFICATION REQUIREMENTS	RESULT
D 287	API Gravity, degrees	17.4 - 6.6	12.8
Table 3	Specific Gravity @ 16/16°C (60/60°F)	0.95 - 1.02	0.9803
Table 8	Pounds per Gallon @ 16°C (60°F)	7.914 - 8.534	18.164
D 445	Kinematic Viscosity, cSt @ 99°C (210°F) @ 38°C (100°F)	6.6 Typical 40 - 48	7.0 46
D 92	Flash Point, COC, °C (°F)	218 (425) Minimum	226 (440)
D 664	Total Acid Number, mgKOH/g	23 Typical	24
D 97	Pour Point °C (°F)	-51 (-60) Maximum	-54 (-65)
D 1500	Colr, ASTM	4.0 Typical	3.5
D 665	Rust-Preventing Characteristics Procedure B, 1.2% Dilution 48 hrs @ 60°C (140°F)	Pass	Pass

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Rev 3

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