



Product Data

## Brayco 599

Rust Preventive Concentrate

### Description

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

### Application

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.

### Typical Characteristics

Test	Method	Units	Specification Requirements	Result
API Gravity	ASTM D 287	degrees	17.4 - 6.6	13
Specific Gravity @ 16°C / 60°F	API Table 3	-	0.95 - 1.02	0.98
Density @ 16°C / 60°F	API Table 8	lbs/gal	7.91 - 8.53	8.1
Kinematic Viscosity @ 100°F	ASTM D 445	cSt	40 - 48	46.0
Kinematic Viscosity @ 40°C	ASTM D 445	cSt	-	41.7
Kinematic Viscosity @ 210°F	ASTM D 445	cSt	6.6 Typ.	7.0
Kinematic Viscosity @ 100°C	ASTM D 445	cSt	-	6.8
Flash Point, COC	ASTM D 92	°C / °F	218 / 425 Min.	226 / 440
Total Acid Number	ASTM D 664	mg KOH/g	23 Typ.	24
Pour Point	ASTM D 97	°C / °F	-51 / -60 Max.	-54 / -65
Color	ASTM D 1500	-	4.0 Typ.	3.5
Rust Preventing Characteristics Procedure B, 1.2% dilution, 48 hrs, 60°C / 140°F	ASTM D 665	-	Pass	Pass

Subject to usual manufacturing tolerances.

### Additional Information

#### 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.

## Specifications

Castrol 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-S2.

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BP Lubricants USA Inc., 1500 Valley Road, Wayne, NJ 07470  
Telephone: +1-888-CASTROL Product Information: +1-877-641-1600  
[www.castrol.com/en\\_us/b2b/home.html](http://www.castrol.com/en_us/b2b/home.html)