



Product Data

Brayco 599

Rust Preventative 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. This fluid should only be used for a limited time, not exceeding 25 hours. Consult the engine manufacturer's manual to determine specific engine model recommendations and/or limitations.

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-S1.

Conditions of Use

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.

Typical Characteristics

Name	Method	Units	MIL-PRF-23699 specification	Brayco 599
Colour	ASTM D1500	-	4.0 typ.	3.5
API Gravity	ASTM D287	°API	7.33 - 17.45	13
Specific Gravity @ 15°C / 59°F	ISO 3675 / ASTM D1298	-	0.95 - 1.02	0.98
Density @ 15°C / 59°F	ISO 12185 / ASTM D4052	kg/m ³	950 - 1020	980
Kinematic Viscosity @ 100°C / 212°F	ISO 3104 / ASTM D445	mm ² /s	6.6 typ.	7
Kinematic Viscosity @ 38°C / 100°F	ISO 3104 / ASTM D445	mm ² /s	40 - 48	44
Pour Point	ISO 3016 / ASTM D97	°C/°F	-51 / -60 max.	-54 / -65
Flash Point - open cup method	ISO 2592 / ASTM D92	°C/°F	218 / 425 min.	226 / 440
Acid Number	ISO 6619 / ASTM D664	mgKOH/g	23 typ.	24
Rust test - synthetic seawater (24 hrs)	ISO 7120 / ASTM D665B	Pass	Pass	Pass

Subject to usual manufacturing tolerances.

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