



## Product Data

### Castrol Brayco 785 Gas Turbine Preservative and Break-in Oil

#### Description

Castrol Brayco™ 785 is a petroleum-based preservative and break-in oil that can be used to protect gas turbines during shipping, storage, and prolonged shut-down periods.

#### Application

Brayco 785 was developed with the cooperation of a major manufacturer of gas turbine engines. While this product may also be used as a break-in oil, it is not meant for regular service as a gas turbine lubricant, and should be drained out and replaced by a manufacturer approved product when the engine is placed back on line. By using Brayco 785 in the test cell on new and overhauled engines, all that is necessary for internal preservation is to remove the test instrumentation (lines, etc.). Additionally, fogging a MIL-PRF-23411 / MIL-PRF-81309 fluid into the inlet on cold-crank will prepare the engine for shipping. A treated engine is typically preserved for at least two years.

#### Shelf Life

Brayco 785 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.

#### Specification

Brayco 785 meets Solar Turbines ES9-248-1A



## Typical Characteristics

Test	Method	Units	Result
Gravity API @16°C/60°F	ASTM D287	degrees	31.5
Specific Gravity @16°C/60°F	ASTM D287		0.87
Density @16°C/60°F	ASTM D287	Lbs/gal	7.2
Flash Point, COC	ASTM D92	°C/°F	225/437
Fire Point, COC	ASTM D92	°C/°F	250/482
Viscosity @100°C/210°F @40°C/100°F	ASTM D445	cSt	5.95 38.5
Viscosity Index	ASTM D2270		107
Pour Point	ASTM D97	°C/°F	-19/-2
Total Acid Number	ASTM D664	mg KOH/gm	1.9
Four Ball Wear, 40kg, 1 hr., 1200 rpm @75°C/167°F	ASTM D2266	mm	0.42
Foam Sequence 1 Sequence 2 Sequence 3	ASTM D892 (Alt.)	ml	10/0 15/0 10/0
Humidity Cabinet: 3 test panels	ASTM D1748		720 hours

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 785  
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