



## Brayco 460

Jet Engine Lubricating Oil

### Description

Castrol Brayco™ 460 is a petroleum-based, jet engine lubricating oil. The base oil is a highly refined mineral oil meeting the highest standards of quality.

### Application

Brayco 460 is designed for use in older jet engines and other high-speed turbines that require this type of petroleum-based turbine oil. Brayco 460 may also be used in various applications requiring low temperature operation and good viscosity behavior.

### Typical Characteristics

Name	Method	Units	MIL-PRF-6081D specification	Brayco 460
API Gravity	ASTM D287	-	-	29
Specific Gravity @ 15°C / 59°F	ISO 3675 / ASTM D1298	-	-	0.88
Density @ 15°C / 59°F	ISO 12185 / ASTM D4052	kg/m <sup>3</sup>	-	728
Kinematic Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm <sup>2</sup> /s	10.0 max.	10.53
Viscosity Stability	ASTM D2532	% Change	2 max.	0.4
Flash Point - open cup method	ISO 2592 / ASTM D92	°C/°F	133/270 max.	142 / 288
Solid Particle Contamination	FTM 3010	mg/l	-	1.38
Pour Point	ISO 3016 / ASTM D97	°C/°F	-57/-70 max.	-59 / -74
Colour	ASTM D1500	-	5.5 max.	<1.0
Copper corrosion (3 hrs@121°C/ 250°F)	ISO 2160 / ASTM D130	Rating	1 max.	1
Acid Number	ISO 6618 / ASTM D974	mgKOH/g	0.10 max.	0.02
Trace Sediment	ASTM D2273	ml/200ml	0.005 max.	0
Workmanship	MIL-PRF-6081D Spec 3.4	Pass	Pass	Pass

Subject to usual manufacturing tolerances.

## Additional Information

Specifications Brayco 460 meets the requirements of and is qualified to the MIL-PRF-6081D Grade 1010 specification. This fluid is identified by the NATO Code Number: O-133. A

## Storage

Shelf Life Brayco 460 has a maximum recommended shelf life of 6 years from date of manufacture. This shelf life assumes that the product is stored in its original unopened packaging in ambient temperature conditions.

Brayco 460  
01 Nov 2012  
Castrol, the Castrol logo and related marks are trademarks of Castrol Limited, used under licence.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Material Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either BP plc or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

Castrol Industrial, Technology Centre , Whitchurch Hill , Pangbourne , Reading , RG8 7QR , United Kingdom

[www.castrol.com/industrial](http://www.castrol.com/industrial)