



Brayco 363

Lubricating Oil, General Purpose Low Temperature

Description

Castrol Brayco™ 363 is a highly refined blend of petroleum base stock and additives, which provide excellent resistance to oxidation, protection against rusting, and limits galvanic corrosion.

Application

Brayco 363 is designed for use as a general purpose, low-temperature lubricating oil for operation in the temperature range of -65°F to 250°F (-54°C to 122°C). It is especially useful where a light oil with a low evaporation rate which provides rust protection is required.

Typical Characteristics

Name	Method	Units	Typical values
API Gravity @ 60°F/15.6°C	VN-TM-005 (ASTM D-287)	N/A	32.5
Specific Gravity @ 15.6°C	VN-TM-005 (ASTM D-287)	-	0.863
Pounds per Gallon	Table 8 (VN-TM-005)	-	7.19
Flash Point, COC	ASTM D92	°C	-
Pour Point	ASTM D97	°C	-
Viscosity, Kinematic 100F	CN-TM-101	mm ² /s	-
Viscosity, Kinematic -40C	ASTM D445	mm ² /s	-
Precipitation Number	ASTM D91	-	-
Oxidation and Corrosion, Appearance of Fluid and Coupons	ATSM D4636	-	-
Oxidation and Corrosion, Metal Weight Change (Cadmium)	ASTM D4636	mg/cm ²	-
Oxidation and Corrosion, Metal Weight Change (Aluminium)	ASTM D4636	mg/cm ²	-
Oxidation and Corrosion, Metal Weight Change (Magnesium)	ASTM D4636	mg/cm ²	-
Oxidation and Corrosion, Metal Weight Change (Copper)	ASTM D4636	mg/cm ²	-
Oxidation and Corrosion, Metal Weight Change (Steel)	ASTM D4636	mg/cm ²	-

Name	Method	Units	Typical values
Evaporation Loss	ASTM D972	% wt	18.0
Oxidation & Corrosion, Visc. Change @ 100°F	ASTM D4636	%	-
Oxidation and Corrosion, TAN change	ASTM D4636	mg KOH/ g	-
Low Temperature Stability @ -54°C for 72 hours	MIL-PRF-7870C Spec. 4.4.4	-	-
Workmanship	MIL-PRF-7870C Spec. 3.7	-	-

Subject to usual manufacturing tolerances.

Additional Information

Specification Brayco 363 meets the requirements of and is qualified to MIL-PRF-7870C. This fluid is identified by NATO Code Number: O-142. Shelf Life Brayco 363 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.

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