



Performance Bio™ QF 1

Bio-Based Quenching Oil

Description

Castrol Performance Bio™ QF 1 (previously called Performance Biolubes™ Quench) is a plant-based metal quenching oil formulated with for use as a high performance metal hardening fluid.

Application

Performance Bio QF 1 is recommended for all types of metal quenching processes. It is highly effective on all metals including aluminum and stainless steel.

Advantages

- Superior quenching properties increase productivity
- Produces less smoke than petroleum quenching oils
- Pleasant smelling for high operator acceptance
- Non-staining formula
- Out-performs conventional petroleum-based quenching oils
- Plant based oil reduces risk of dermatitis
- Made from sustainable crop-based oils

Typical Characteristics

Description	Test Method	Unit	Value
Appearance	Visual	-	Light Yellow Liquid
Kinematic Viscosity @ 40°C / 104°F	ASTM D445 / ISO 3104	mm ² /s	39
Kinematic Viscosity @ 100°C / 212°F	ASTM D445 / ISO 3104	mm ² /s	8.4
Viscosity Index	ASTM D2270 / ISO 2909	-	203
Flash Point, COC	ASTM D92 / ISO 2592	°C / °F	335 / 635
Fire Point, COC	ASTM D92 / ISO 2592	°C / °F	360 / 680
Copper Corrosion	ASTM D130 - 56	-	1b

Subject to usual manufacturing tolerances.

Storage

To avoid product deterioration always keep the container/drum tightly sealed. Store the product in a cool, dry place away from direct sunlight. Prevent exposure to frost and avoid water ingress. For optimum product stability, it is preferable to store the product indoors between 5°C and 45 °C / 41°F and 113°F.

For more details, please refer the product safety data sheet.

This product was previously called Performance Biolubes Quench. The name was changed in 2015.

Performance Bio™ QF 1

22 Mar 2021

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.

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