



Product Data

## 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	mm²/s	39
Kinematic Viscosity @ 100°C / 212°F	ASTM D445 / ISO 3104	mm²/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.**

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22 Mar 2021

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