



## Performance Bio™ DF R40

Bio-based Metal Forming Fluid

### Description

Castrol Performance Bio™ DF R40 (previously named Castrol Performance™ Biolubes BioForm R40) is a lighter viscosity (40 cSt) bio-based metal forming fluid formulated with select plant-based oils for use as a high performance metal forming fluid.

### Application

Recommended for all types of metal forming  
Highly effective on all metals including aluminum and stainless steel  
Applies by brushing, dipping, spraying or other method

### Advantages

- Superior lubricity optimizes feed rates and increases productivity
- Smokes less than petroleum forming fluids
- Reduces amount of pressure required to form the metal
- Pleasant smelling for good operator acceptance
- Formulated to be non-staining on virtually all types of metals
- Better adhesion-reduces amount of product required
- Out-performs conventional petroleum-based tapping fluids
- Does not contain chlorine or sulfur
- Plant-based oil reduces risk of dermatitis
- Made from renewable North America-grown plant-based technologies
- Easily removed with alkaline cleaner

### Typical Characteristics

Description	Test Method	Unit	Performance Bio DF R40
Appearance	Visual	-	Light Yellow Liquid
Viscosity, Kinematic@ 40°C	ASTM D445	mm <sup>2</sup> /s	40
Specific Gravity	ASTM D1298	-	0.92
Flashpoint, COC	ASTM D92	°C / °F	282 / 540

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 named Performance Biolubes BioForm R40. The name was changed in 2015.**

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