



## Performance Bio™ DF Heavy Draw

Heavy Duty Bio-Based Drawing Fluid

### Description

Castrol Performance Bio™ DF Heavy Draw (previously named Castrol Performance™ Biolubes BioForm Heavy Draw) is a heavy duty, multipurpose, bio-based drawing, forming and blanking fluid. Performance Bio DF Heavy Draw is formulated with plant-based oils and select extreme pressure additives for superior protection and performance.

### Application

Performance Bio DF Heavy Draw is recommended for use in various metal forming operations, such as stamping, drawing, blanking and spinning. It is suitable for use on most metal types.

Performance Bio DF Heavy Draw can be applied by brushing, dipping, spraying or any other suitable method.

### Advantages

- Superior lubricity and extreme pressure characteristics.
- Good adhesion to metal.
- Contains no harmful chlorine, nitrites or phenols.
- Provides excellent rust and corrosion protection.
- Easy to remove with alkaline cleaners
- Extends die life by creating a barrier between workpiece and die.
- Made from sustainable North America-grown plant-based oils.

### Typical Characteristics

Description	Test Method	Unit	Performance Bio DF Heavy Draw
Appearance	Visual	-	Light amber fluid
Kinematic Viscosity @ 40°C / 104°F	ASTM D445 / ISO 3104	mm <sup>2</sup> /s	180
Specific Gravity @ 15°C / 59°F	ASTM D1298 / ISO 3675	-	0.93
Flash Point, COC	ASTM D92 / ISO 2592	°C / °F	262 / 504

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 Heavy Draw. The name was changed in 2015.**

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