

TECHNICAL DATA SHEET – BDQ-140

BIO-LUB CANADA INC.

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Description Product

Cutting oil, water soluble, for machining, cutting, drilling, milling, turning, boring and over, ferrous and nonferrous metals.

Features and benefits

BDQ-140 is a general-purpose biobased concentrate designed for use on both ferrous and nonferrous metals. This technologically advanced formula contains an environmentally friendly, additive system to allow performance in many metalworking applications. It provides excellent corrosion protection and is non-staining to aluminum and yellow metals. This vegetable based formulation is designed to offer good natural extreme pressure (EP) performance without the use of active sulfur and chlorinated EP additives making a more economical general-purpose type coolant (For heavier metal working applications that require additional EP, see BDQ-150).

BDQ-140 offer a performance which provides cutting tool wetting and oiliness. The high viscosity index of this oil adds additional lubrication qualities to this high performance lubricant. The formulation is free of diethanolamine, secondary amines, secondary amide emulsifiers, nitrite corrosion inhibitors, phenolic biocides, and nonylphenol non-ionic surfactants. Solutions are white to offwhite and stable in the hardest of waters. This cutting oil is formulated with a preservative to give long trouble-free service with a minimum of maintenance of its cleanliness.

BDQ-140 is a ENVIRONMENTALLY RESPONSIBLE cutting oil that is formulated from renewable agricultural plant resources.

Applications

BDQ-140 easily emulsifies in water with an ideal concentration range of 3% to 10%. At these levels, it is effective for grinding and machining of ferrous metals, ferrous alloys, stainless steel, aluminum, brass and bronze. At levels of 5% or greater, it is effective as a temporary rust inhibitor for ferrous metals.

BDQ-140 may be used as a quenching agent for nuts, bolts, screws and similar products. Alkaline cleaners or vapor degreasing can easily remove any residual film.

Packaging

20L Pail

205L Drum

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Typical Data

9.0 pH at 5% by volume in water

5% dilution in 200 ppm hardness water (IP 125) No corrosion (0/0-0 results)

Falex Pin & V block: 45 lb. in torque at 4000 psi

Four ball wear test: Avg. coefficient of friction 0.08

(5% dilution) Scar diameter in mm 0.51

Biodegradable in its neat form without preservative

This product is formulated with a preservative to prevent bacteria and fungus growth.

Standard Disclaimer

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