

LONGWALL FLUIDS

QUINTOLUBRIC® 818-02 LONGWALL ROOF SUPPORT

APPLICATION SHEET

BENEFITS

- » **Approved by Caterpillar, Inbye and other major OEMs** at 2% in various mine-specific waters
- » **Approved by Joy** at 2% in all water types, including type 19 (750 ppm)
- » Produced globally in **ISO approved facilities** to meet mining industry needs
- » **97.6% biodegradable** in accordance with ISO 7827
- » **Compatible at 2% with all commonly used longwall fluids for easy conversion**
- » **Optional dye for easy underground leak detection**, and can help identify fluid injection in workers should an injection occur

APPLICATIONS

QUINTOLUBRIC® 818-02 is a full solution synthetic, high water-based (HFA) hydraulic fluid concentrate designed for use in longwall shields. This fully-synthetic concentrate has been specially engineered to pass the severe tests developed by Caterpillar, Joy and other major longwall shield OEMs.

USAGE

QUINTOLUBRIC® 818-02 is delivered as a concentrate, and easily mixes with water for use in roof supports. It requires no agitation for dilution or solution storage. QUINTOLUBRIC® 818-02 is compatible with all common dilution mixers such as Dale, Dosatron, Conflow, Smartdose and venturi systems. Recommended concentration is 2% by volume.

PROPERTIES

PROPERTY (TEST METHOD)	TYPICAL VALUES
Appearance	Clear Yellow-Green Solution
pH (ASTM D70)	10.1
Specific Gravity (ASTM D287)	1.015
Density (ASTM D1298)	8.47 lbs/gal 1.015 g/ml
Freeze Point (ASTM D97)	-3.3°C/26°F
Pour Point (ASTM D97)	-3.3°C/26°F
Viscosity @ 100°F (ASTM D445)	51 SUS / 7.7 cSt
TYPICAL PERFORMANCE 2% SOLUTION	
Appearance	Clear Yellow-Green Solution
Rust Prevention	Passes at 2%: - OEM Crevice Corrosion Test EWN 8350 Part 3 - 7th Luxembourg Corrosion Test Section 5.9.1
Bacteria and Fungi	Contains Preventive Additives





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FLUID MAINTENANCE

As a service to customers and to assure the trouble-free performance of the roof support fluid, Quaker recommends a program of regular fluid analysis. Quaker will perform normal fluid analysis. Contact your local Quaker Representative to set up an analysis program. Quaker will provide sample bottles with shipping material and will provide the recommended fluid analysis free of charge.

Complete details of the fluid analysis program (including normal operating ranges and sample reports) will be provided with the Operation Manual for the fluid.

PACKAGING AND STORAGE

For cost effectiveness, Quaker recommends plastic, above-ground storage tanks for bulk storage of the QUINTOLUBRIC® 818-02 concentrate. If a metal tank is used, no zinc-containing coating should be used on the inside of the tank. The tank and hatchway design should be such that ingress of water, dirt and other potential contaminants is minimized. The recommended storage temperature range is 0-43°C (32-110°F) .

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