

QUINTOLUBRIC® 818-02

Synthetic Longwall Fluid

APPLICATIONS

QUINTOLUBRIC® 818-02 is a true solution 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 for new longwall installations.

BENEFITS

- Approved by Joy Mining Machinery at 2% concentration
- Passes approval testing at 2% in mine specific water according to Caterpillar and Inbye norms.
- Produced in the United States, Europe and Australia in an ISO approved facility to meet mining industry needs
- Biodegradable in accordance with ISO 7827
- Compatible with all commonly used longwall fluids for easy conversion
- Contains a dye for easy underground leak detection. Dye degrades when exposed to sunlight
- Stable in water hardness up to 750 ppm CaCO₃

MIXING

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

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.



TYPICAL PROPERTIES

PROPERTIES (ASTM Test Method)	818-02 (041113)
Appearance	Clear Yellow-Green Solution
Specific Gravity (D287)	1.028
Density	8.57 lbs/gal / 1.028 g/ml
Freeze Point (D97)	26°F/-3.3°C
Pour Point (D97)	26°F/-3.3°C
Viscosity @ 100°F (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

STORAGE AND HANDLING

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 32-110°F (0-43°C).