

QUINTOLUBRIC® 814-02

Longwall Fluid

APPLICATIONS

QUINTOLUBRIC® 814-02 is a high water-based (HFA) hydraulic fluid concentrate designed for use in longwall shields.

BENEFITS

- Approved by Joy Mining Machinery (formerly Longwall International) at 2% concentration in two classes of water: <125 ppm CaCO₃ and Type 18 water
- Now produced in the United States 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.

MIXING

QUINTOLUBRIC® 814-02 is delivered as a concentrate and mixed with water for use in roof supports. The product mixes easily with water and requires no agitation for dilution or storage. QUINTOLUBRIC® 814-02 is compatible with all standard dilution mixers such as Dale, Conflow, Dosatron 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 in our laboratory near Philadelphia, PA. 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.

quintolubric.com
quakerchem.com



TYPICAL PROPERTIES

PROPERTIES (ASTM Test Method)	814-02 (014466)
Appearance	Translucent Amber-Green Solution
Specific Gravity (D287)	1.001
Flash Point (D92)	None
Freeze Point (D97)	24°F/-4.4°C
pH of 2% in Distilled Water (D70)	10.4
Viscosity SUS @ 100°F (D445)	500
Typical Performance 2% Solution	
Appearance	Translucent Amber-Green Solution
Rust Prevention	Passes IP 135 Steel Finger Test in Saline Water at 0.8%
Bacteria and Fungi	No Infestation Experienced During Testing
Compatibility	Stable when mixed 50/50 with Solenic 3B

STORAGE AND HANDLING

For cost effectiveness, Quaker recommends plastic, above ground storage tanks for bulk storage of the QUINTOLUBRIC® 814-02 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. For bulk storage of concentrate we recommend on-site concentrate storage capacity of 8,000 gallons.

