

# LONGWALL FLUIDS

## QUINTOLUBRIC® 914 FIRE RESISTANT HFA-E HYDRAULIC FLUID APPLICATION SHEET

### BENEFITS

- » Outstanding emulsion stability
- » Excellent corrosion protection
- » High biodegradability
- » Low aquatic toxicity (WEC 1)

### APPLICATIONS

QUINTOLUBRIC® 914 is a synthetic, water-based (HFA) hydraulic fluid concentrate, designed for use in longwall shields. Unlike traditional HFA-E, QUINTOLUBRIC® 914 contains no mineral oil but a biodegradable fluid and forms a micro-emulsion upon mixing with water. In comparison to high mineral oil containing HFA-E products QUINTOLUBRIC® 914 delivers improved mixing-, stability-, and bacteria/fungi resistance properties. QUINTOLUBRIC® 914 can be applied in ecologically sensitive areas since the product has a low Water Endangering Class. QUINTOLUBRIC® 914 has been specially engineered to pass the severe tests developed by Caterpillar, Joy and other major longwall shield OEM's.

### USAGE

QUINTOLUBRIC® 914 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® 914 is compatible with all common dilution mixers such as Dale, Dosatron, Conflow, Smartdose and venturi systems. Recommended user concentration is 2% by weight.

### PROPERTIES

PROPERTIES (TEST METHOD)	TYPICAL VALUE
Appearance	Yellow to amber fluid
pH (ASTM D70)	10.5
Density (ASTM D1298) 15°C	1.014 g/cm <sup>3</sup>
Pour Point (ASTM D97)	-3°C

TYPICAL PERFORMANCE 2% SOLUTION (V water)	
Appearance	Fluorescent Liquid
Corrosion protection DIN 51345	Pass all metals
Emulsion stability 25 days, 50°C DIN 51346	1A-1R (stable)
Bacteria and Fungi	Contains preservative



## **QUINTOLUBRIC® 914**

### **FIRE RESISTANT HFA-E HYDRAULIC FLUID**

#### **APPLICATION SHEET**

#### **FLUID MAINTAINANCE**

As a service to customers and to assure the troublefree 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 storage tanks for bulk storage of the QUINTOLUBRIC® 914 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 0-30°C

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Prior to using this product, consult the Material Safety Data Sheet for instructions regarding safe handling and environmental issues.

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