

TECHNICAL DATA SHEET

HYDROLUBRIC® 2A

SOLUBLE CONCENTRATE OIL FOR HYDRAULIC SYSTEMS

HYDROLUBRIC® 2A is a soluble oil concentrate for water hydraulic systems. HYDROLUBRIC® 2A conditions the water, effectively lubricates packings, cylinders, valves and internal working surfaces, and prevents corrosion and biological growth.

Applications

HYDROLUBRIC® 2A was specifically designed to meet the needs of the aluminum hot rolling Industry. HYDROLUBRIC® 2A is compatible with aluminum hot rolling emulsions. Contamination of this product into in-use hot rolling emulsions will not deter biological control due to incompatible biocides.

Recommendation for Use

The typical emulsion is 3% (3 parts HYDROLUBRIC® 2A to 100 parts water). This emulsion prevents rust and gives light lubricating qualities. For more lubricating qualities, use a 4% or 5% emulsion, depending on operating conditions and the type of water.

Concentration Checks

HYDROLUBRIC® 2A emulsion concentrations can be determined by using the American Optical Model 10441 refractometer.

Mixing Instructions

To Make the Emulsion

Always add HYDROLUBRIC® 2A to water. Never add water to HYDROLUBRIC® 2A. An effective emulsion cannot be made by adding water to HYDROLUBRIC® 2A. Mechanical agitation is the only positive way of mixing this product with water.

This is the best way to make a stable emulsion: Charge all of the water to the tank or system. Turn on mechanical agitation and slowly add about one-tenth of the HYDROLUBRIC® 2A to the water. Allow this amount to mix thoroughly for about 1 to 5 minutes, depending on the agitation. Then continue adding small amounts of HYDROLUBRIC® 2A as above until required quantity is used.

Benefits

- Controls pitting, corrosion and gumming in system
- Lubricates packings, valves and working surface
- Prevents biological growth
- Prolongs packing life
- Won't stain brass or copper
- Compatible with aluminum rolling emulsions

Health, Safety and Handling

Please consult the Safety Data Sheet (SDS) for information on storage, safe handling and disposal. The conditions or methods of handling, storage, use and disposal of the product are beyond our reasonable control - we assume no liability for any ineffectiveness of the product or any injury or damage, arising out of or in connection with these conditions.

Properties

PROPERTY	TYPICAL VALUE	UNIT
Appearance	Dark, amber liquid	
5% Emulsion	Opaque, Milky white emulsion	
pH, 5% Emulsion	9.2	
Pounds per Gallon at 60°F	7.66	
Kg / Liter at 15°C	0.92	

All reasonable care has been taken to ensure this publication is accurate upon issue. Such information may be affected by changes subsequent to issue. This Technical Data Sheet is to be used solely for this product. Prior to any use, consult the Safety Data Sheet (SDS) for information on hazard risks and product use parameters. All liability and all warranties express or implied are hereby excluded as to product performance results, the accuracy of these data including any warranty of merchantability or fitness for any purpose. 05200100

