

TUBE & PIPE

QUAKER DYNACHEM LC EP 2

INTRODUCTION

Two major ERW pipe producers were having a number of issues associated with grease washout and replacement costs and coolant contamination in their ERW mill. Key improvement areas desired by the customer included:

- Reduce grease washout and coolant contamination
- Reduce grease replacement costs
- Reduce operating costs

IMPACT

Quaker introduced their QUAKER Dynachem LC EP, which has excellent resistance to water wash-out and superior rust and corrosion protection. It also has excellent high temperature (dropping point 550° F+), shock-loading (Timken OK 50), and EP protection for heavy loading. protection. As a result, both customers were able to save an estimated total of \$5,000 in product costs alone, shown in the following areas:

Baseline Performance	New Performance
Current greases washing out, and current coolant has a high degree of detergency.	Quaker lubricant resulted in a significant reduction in re-greasing and elimination of coolant contamination. Resulting in a cleaner pipe surface prior to welding
Each mill has one person greasing roll bearings full time.	Each mill needs to grease roll bearings once a week, reducing labor costs 80%
Current operating costs not given.	Customer stated that since switching to Quaker lubricant operating costs have been reduced by 50%. An estimated saving of \$5,000.



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GENERAL DESCRIPTION

QUAKER Dynachem LC EP 2 is premium lithium complex grease formulated with high quality base oils superior rust and oxidation inhibitors as well as extreme pressure additives. **QUAKER Dynachem LC EP 2** has proven to be extremely effective as a water-resistant grease and has been marketed extensively in areas where water-washout is a major concern. Of equal importance is the fact that **QUAKER Dynachem LC EP 2** has a dropping point of 500°F allowing it to perform well at high temperatures.

APPLICATIONS

ERW forming and sizing roll bearings.

PRODUCT AND PROCESS EXPERTISE

Quaker Chemical Corporation is a worldwide developer, producer and marketer of custom-formulated Tube & Pipe process chemicals and coatings. From first coil to final cut, Quaker is capable of providing process chemicals for all operations in ERW and Seamless mills, and delivers the in-depth process expertise to help maximize your productivity.

Quaker's product line includes hydraulic lubricants, high-temperature greases, cleaners, forming & sizing coolants, drawing & forming compounds, sawing lubricants, hydrotesting compounds, corrosion preventives and a complete line of high-value coatings (including solvent, water-based and UV coatings).



For more information, visit: www.quakerchem.com

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