CASE STUDY

Welded Tube and Pipe :
Over 25% in Maintenance Cost Savings

QUAKERTEK™ CS 2202-EP

The Challenge

A European welded tube and pipe manufacturer was looking to reduce its maintenance costs in the rolling mill. The lithium grease that was being used required frequent relubrication resulting in intensive maintenance.

They were seeking a grease that could meet the parameters of:

- Improved water resistance
- Decreased maintenance time
- Reduced relubrication periods

The Solution

Quaker Houghton ran a trial with selected QUAKERTEK™ CS 2202-EP calcium sulfonate grease to lubricate 12 bearings (22215/22218/32215/32218 +gear) per stand. The grease achieved the desired targets by decreasing maintenance time and relubrication rate as well as allowing for increased water resistance.

The Benefits

With QUAKERTEK™ CS 2202-EP, the operational results were:

- 33% maintenance rate reduction as relubrication was needed once instead of three times
- Decreased grease consumption by 67%
- Annual cost savings of 28%
- Lowered residues due to the reduced amount of greases utilized
- Improved stock management
- Reduced material movement in the plant and improved workshop cleanliness resulting from less frequent relubrication periods
- Less contamination in the cooling water due to the grease's resistance to washout

	COMPETITIVE GREASE	QUAKERTEK™ CS 2202-EP
Technology	Lithium	Calcium Sulfonate
Annual Consumption	13,000 kg	4,320 kg
Frequency of Relubrication	3	1
Relubrication Time (units)	9	3

CLEAN BEARING & GEAR	BEARING & GEAR WITH QUAKERTEK™ CS 2202-EP
	

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The Product

QUAKERTEK™ CS 2202-EP is a high performance calcium sulfonate complex grease based on mineral oil and can be used in application operating under severe conditions with regard to medium to high speeds, high loads, and corrosion challenges in a wide range of industries. Benefits include a high oxidation resistance, excellent resistance to water washout, excellent load carrying capacity, and high temperature stability. In addition, it has excellent corrosion protection, high lubricating film strength, and very good sheer stability.

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