

Challenges

A major drill bit manufacturer in South Carolina was struggling with oil soaked packing, to the point where they were receiving customer complaints. The problem was being caused by the rust preventive the manufacturer was using. The manufacturer approached Quaker to discuss their problems and work together for a solution. Quaker suggested switching to FERROCOTE® 5856 BF T1. Quaker wanted to show that by switching rust preventives the manufacturer would be able to reduce both product and oil-absorption costs without sacrificing corrosion protection.

Providing Solutions

The switch to FERROCOTE® 5856 BF T1 has provided the manufacturer with improved packaging, as well as the following:

- 30% reduction in the amount of product used
- 15% reduction in costly oil-absorbing matting used in the packaging department

Additional Savings from Replacing Competitive Technology	
Rust Preventive Cost Savings	\$7,260
Oil-absorption Cost Savings	\$2,340
Total Cost Savings	\$9,500

Below is a comparison of the absorbent after the competitive rust preventive and the absorbent after FERROCOTE® 5856 BF T1.



Absorbent after old rust preventive shows more damage



Absorbent after FERROCOTE® 5856 BF T1 shows less damage

Product Description

FERROCOTE® 5856 BF T1 is a solvent/oil-based final preventive used in spray washing and slushing equipment to remove residual coolant and grinding/honing debris from assembled bearings and components. This results in the provision of long-term indoor protection for bearings and components.

Process & Equipment

Part:	Drill Bits
Part Alloy:	Steel
System Size:	100 gallons
Water Hardness:	N/A
Concentration:	Used neat (as received)
Application Pressure:	Flow coat
Filtration System:	N/A
Specific Operation:	RP Application

Product & Process Expertise

Corrosion preventive fluids are designed to protect metal parts during storage and transport during the manufacturing process. Proper selection and application of the fluid can result in substantial cost benefits. Typically, metalworking lubricants represent a very minor part of the cost in a metalworking process, typically less than 1%. The impact of a fluid can be a multiple of its costs, making the price of a metalworking fluid insignificant. That is why Quaker focuses on developing fluids with the highest performance without compromise, fluids that sharpen your competitive edge.