

FINAL CORROSION PROTECTION

FERROCOTE 5900

INTRODUCTION

A global manufacturer of bearings was having problems meeting lubrication specifications for their corrosion preventives. None of the products they were using were able to give the protection guarantee that the producer gave to their final customers. In addition, one product's VOC and barium content made it undesirable in the frame of ISO 14001.

In order to address this situation, Quaker developed FERROCOTE 5900. After getting global approval, the product was introduced for regular use.



IMPACT

The introduction of FERROCOTE 5900 allowed for replacement of several products with one, simplifying stock control. The product was able to provide the desired lubricating properties, while allowing the same level of guarantee the manufacturer was looking for. The product also complied with ISO 14001 quality standards, as it is VOC and barium free.

PROCESS & EQUIPMENT INFORMATION

Operation:	Corrosion protection
Material:	Bearing steel
Part Produced:	Roller bearings
Function:	Final protection
Applications:	Flooding

CASE

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FERROCOTE 5900

PRODUCT DESCRIPTION

FERROCOTE 5900 is a corrosion preventive oil, normally used neat for final protection. It provides long-term corrosion protection, while the lubrication performance is kept constant over time. Its multi-metal protection makes it suitable for protection of a wide range of metal components such as:

- Bearings
- Camshafts
- Cast iron engine blocks
- Transmission axles

COST-BENEFIT ANALYSIS

Metalworking lubricants represent a very minor part of the costs in a metalworking process, typically less than 1%. This case illustrates the importance of correct fluid selection. The impact of the fluid can be a multiple of its costs, making the price of a metalworking fluid insignificant.

During the development of certain manufacturing processes where chemicals are involved, it is a very effective practice to involve the in-house expertise of companies such as Quaker into the development stage. A well designed process fluid can save entire process steps and shave months off process development. That's why Quaker focuses on developing fluids with the highest performance without compromise, fluids that sharpen your competitive edge.

CASE

