



MAJOR MANUFACTURER OF ROLLING ELEMENT BEARINGS SEES IMPROVEMENT FROM USING CASTROL HYSOL SL 35 XBB FOR GRINDING



**PERFORMANCE
IMPROVEMENTS**



**LOW
MAINTENANCE**



**WORKPLACE
ENVIRONMENT
IMPROVEMENTS**



**REDUCTION IN
TREATMENT
& ADDITIVE
COSTS**

Castrol UK Ltd

Technology Centre, Whitchurch Hill,
Pangbourne, Reading RG8 7QR, UK

Tel: +44 (0) 845 600 8125
www.castrol.com

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THE SITUATION

A major manufacturer of rolling element bearings has a grinding emulsion operation with 2 × 100m³ sump tanks. The grinding emulsion systems are used to machine linear segments and both medium and large bearing components. The material machined is a steel alloy. The requirements were to reduce the system maintenance costs and, on HSSE grounds, introduce a formaldehyde-free product.

THE BENEFITS

By using Castrol Hysol SL 35 XBB, the company:

- Saw a lower concentration (5%) of coolant used
- Was able to cease boron and formaldehyde monitoring in both central systems
- Reduced its maintenance costs because the product is low foaming
- Reduced its treatment costs because the product is very bio-stable
- Suffered no compromise of component quality during the product's introduction

THE SOLUTION

Due to customer confidentiality, the specific saving values since switching to Castrol Hysol SL 35 XBB cannot be shared, but the bearing manufacturer recognised Castrol for delivering the following grinding coolant system improvements:

- HSSE progression
- Significant savings on maintenance procedures and additives as a result of reduced use of biocides and anti-foams
- Stable grinding operating conditions producing excellent-quality components

"Castrol Hysol SL 35 XBB is delivering process performance improvements to the company. We needed a grinding emulsion that could provide excellent quality with low maintenance costs."

IT'S MORE THAN JUST OIL. IT'S LIQUID ENGINEERING.

 **HYSOL XBB**