

APPLICATION STUDY

VERTICAL LATHE

GÖSTAS MEKANISKA VERKSTAD AB



CUSTOMER

Gösta Mechanical Engineering AB is a company with extensive expertise in machining. Turnover is approx. 35 million SEK and they have 30 employees. Customers are well-established industrial companies, and the main activity since its establishment in 1967 is contract manufacturing in small series with short delivery times.

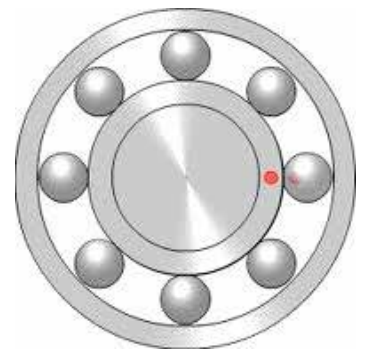
Contact: Stefan Trüschel
System: Vertical Lathe
Oil type: Statoil HMA 68
Oil volume: 200 liters

PROBLEM

CORROSION IN BEARINGS

Every year the company has production shut down during summer holidays for 3 weeks. The oil contained water which meant that the bearings in the machine began to corrode. All bearings in the gearbox and the shaft got corroded. The repair cost of was 49 000 Euro.

They also have had a breakdown earlier, on the largest bearings on the machine. Unfortunately there is no figures on the cost for that repair.



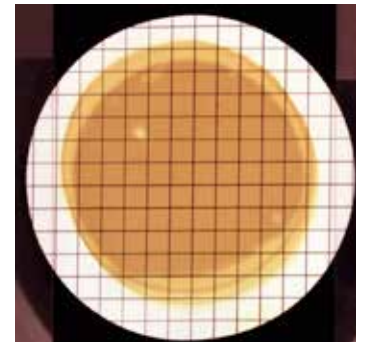
SOLUTION

EF2115TD

Stephen's comment on Göstas Mechanical was: "Priority #1 for us was to get rid of the water in the oil. #2 to get the oil cleaner."

Oil samples showed that the oil was heavily contaminated.

Analysis comment was: "The oil cleanliness is very bad."



THE RESULT

CLEAN OIL

The pollution level has clearly declined.

From 9.2 mg/100ml to 0.4 mg/100 ml in 2 weeks.

Analysis Comment after filtration with Europafilter: Pollution level is low.

The water content is normal.

