

REFERENCE STUDY

MARITIME



Client

Associated British Ports (ABP) are the UK's leading ports group. ABP own and operate 21 ports in England, Scotland, and Wales, and handles approximately a quarter of the country's seaborne trade. ABP handle a vast array of cargo, supporting 84,000 jobs and contributing £5.6 billion to the economy every year

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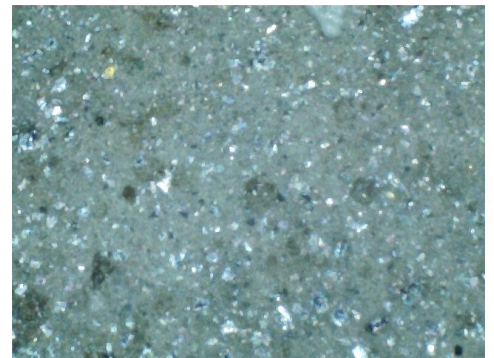
System

Gotwald Crane gearbox

CHALLENGE

PROBLEMS WITH OPERATIONAL RELIABILITY

The gearbox on this crane costing £16,000GBP had been replaced 14 months previous to our visit. ABP were concerned that they would experience the same problem that caused the previous failure and requested we carry out oil analysis and patch testing. The picture shown is x400 magnification on a 0.8µ Micron patch. The gear oil used on this application is 220CST Fuchs Renolin Gear Oil.



SOLUTION

AN INSTALLATION OF EUROPAFILTER'S OFFLINE FILTRATION UNIT

An EF2115V Oil Purification System was fitted, the oil had a cloudy appearance which marked 70 out of 80 on the lab analysis, an ISO code was not issued due to the severe contamination of this sample.



RESULT

ELIMINATED RISKS AND A STEP TOWARDS FINANCIAL SAVINGS

The picture shown is after Europafilter had been installed for 14 days. The crane was in use every day during this period. We were unable to find any contamination on the patch and the oil had returned to a clear bright state. ABP have 8 units on their cranes and have experienced a huge reduction in maintenance costs and subsequent down time, resulting in significant savings.

