

## CUSTOMER

Hässelby plant is a cogeneration plant located in Hässelby beach in western Stockholm in Stockholm. The plant is a production plant in Stockholm district heating network.

Contact: Bo Johansson

System: Port Crane MAN Gearbox  
Oil type: Neste MP Hypoid 80W-140  
Oil volume: 200 liters



## PROBLEM

### METAL PARTICLES IN OIL

Fortum Hässelbyberket has a crane to remove pellets to the CHP.

They analyze the oil regularly. Latest analysis showed magnetic particles in the oil.

An oil change was done and a new sample was taken.

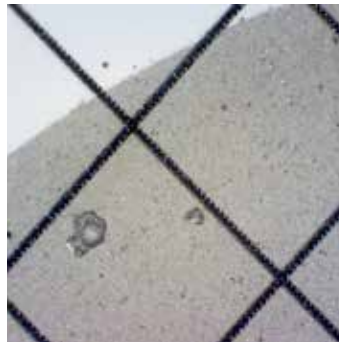
**Although the new oil only been in operation for 30 minutes is contaminated!**



## SOLUTION

### EF21 I5D

To prevent and safe lubricant film without metal particles in oil they installed Europafilter on the gearbox.



## RESULT

### ENHANCED PURITY OF OIL

Only three days after installation, the oil is very clean!

**No particles over 0.8 microns can be found in the oil sample!**

