



## CASE STUDY

### CUSTOMER

PT. GUNAWAN DIAN JAYA STEEL

### LOCATION

SURABAYA, INDONESIA / JUN 2009

### EQUIPMENT

STEEL PLANT

### APPLICATION

LUBE OIL

### PROVEN RESULTS



DECREASED  
MAINTENANCE  
COSTS

### CHALLENGE

Contaminated lube oil causing premature bearing failure resulting in increased downtime. The traditional filtration failed to remove this ferrous contamination under 10 microns, the most damaging contaminant in this system.

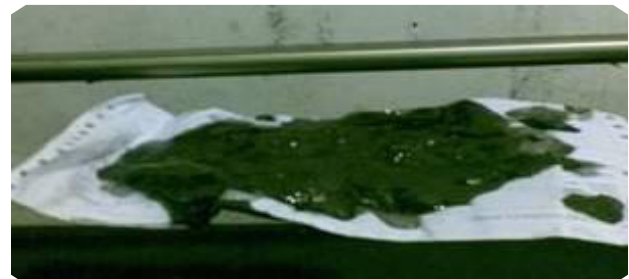
The tolerances on Morgoil bearings are tight. Wall thickness is maintained to 2 microns, and OD run out is held to within 5 microns.

### SOLUTION

PT. Sinarmentari Indoprima, OEI Indonesia distributor, recommended installing an OEI magnetic filter element in the lube reservoir just prior to the outlet.

### RESULTS

After only a few days in operation the OEI magnetic filter captured a large amount of contamination that had been missed by the existing filtration system.



PRODUCT  
RECOMMENDATION  
**MAGNETIC FILTER  
ELEMENT**



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