



CASE STUDY

CUSTOMER

PT INDORAMA SYNTHETIC

LOCATION

PURWAKARTA, WEST JAVA INDONESIA / 2009-2011

EQUIPMENT

HIGH-HEAT TRANSFER OIL SYSTEM

APPLICATION

TRANSFER OIL

PROVEN
RESULTS



DOWNTIME
REDUCED

60%

CHALLENGE

Traditional magnetic filters are unable to filter high-heat transfer oil. The plant required a high-heat magnetic filtration technology to capture corrosion contamination that was damaging seals and gaskets downline. The transfer fluid operates between 295° C and 310° C. The damaged components and leaks were causing unscheduled downtime.

SOLUTION

Install OEI magnetic filtration technology in place of the traditional magnetic filters to compare their efficiency in a high-heat application.

RESULTS

The test proved successful. The OEI magnetic filters maintained their efficiency in high-heat, and significantly reduced the levels of ferrous contamination in the system.

Five to six hundred grams of contamination (100+ to submicron in size) is removed from the system every 5 to 6 months. Downtime attributed to pump and seal failures was reduced 60%. The OEI magnetic filters are still operating with full efficiency.



PRODUCT
RECOMMENDATION
**MAGNETIC FILTER
ELEMENT**



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