



CASE STUDY

CUSTOMER

TAMINCO N.V.

LOCATION

BELGIUM / 2009

EQUIPMENT

MAGNETIC DRIVE PUMP

APPLICATION

CORROSIVE & HIGHLY TOXIC LIQUID

**PROVEN
RESULTS**



**PREVENTED
PUMP FAILURES**

**EXTENDED
MAINTENANCE
INTERVALS**

“*The use of magnetic filters will be a standard with any magnetic pump application in the Taminco Facility in Gent, Belgium.*”

- Dirk Steyaert, Mechanical Maintenance Manager

CHALLENGE

Taminco operates many magdrive pumps that pump highly corrosive and toxic liquids. The pumps are supplied by companies like Sihi, Dickow, and Klaus Union. The pumps were failing within 6 months due to contamination between the wetted end magnetic drive, and the protection or containment shell. Taminco was enduring significant operating costs associated with downtime, unscheduled maintenance, and parts replacement of bearings and containment shells.

SOLUTION

APSICON the Netherland distributor for OEI recommended installing OEI magnetic filter elements into strainers on the suction side of pump in order to capture contaminatoin down to sub-micron and below.

RESULTS

The picture shows contamination captured after 2 weeks of deployment. After 1 month of operation, all pumps were operating at full efficiency with no failures to report.

After experiencing these results, Taminco instated an inspection schedule whereby the magnetic filter elements would be inspected first after 2 weeks, then the following inspection would be extended to 4 weeks, and then inspections would take place every 6 weeks.



**RECOMMENDED
PRODUCT**

**MAGNETIC FILTER
ELEMENT**



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