



CASE STUDY

CUSTOMER

ORTO VERDE: FROZEN FOOD PACKAGING PLANT

LOCATION

SENIGALLIA, ITALY / 2014

EQUIPMENT

AMMONIA COMPRESSORS

APPLICATION

LUBE OIL

PROVEN RESULTS



EXTENDED OPERATING LIFE OF COMPRESSORS RESULTING IN LOWER MAINTENANCE AND EQUIPMENT REPLACEMENT COSTS

CHALLENGE

Improve the operational life and prevent frequent failures of an ammonia compressor by capturing the wear contamination that was causing filter clogging, premature wear of compressor components, and early oil change-outs.

SOLUTION

Test for the volume of wear contamination in the lube oil system; install an OEI magnetic filter element in the existing cone strainer employed on the compressor pump's pre-filter lube oil system.

RESULTS

The photos show significant amounts of contamination captured after 1800 hours of operation.

Impressed with the test results, the facility maintenance manager installed OEI filters on all plant compressor lube oil systems; he then conducted magnetic filter testing on ammonia lines to further improve the reliability of facility compressors.



PRODUCT RECOMMENDATION
MAGNETIC FILTER ELEMENT



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