



CASE STUDY

CUSTOMER

DUBAI PORTS

LOCATION

SURABAYA PORT - INDONESIA / 2010-2011

EQUIPMENT

MERK CUMMINS ENGINE CC 06

APPLICATION

DIESEL FUEL

PROVEN RESULTS



FUEL ACTUATOR LIFE EXTENDED BY 6000 HOURS

CAMSHAFT LIFE EXTENDED BY 12 000 HOURS

CHALLENGE

A container loading dock facility experienced frequent failures of the Merk Cummins CC 06 engines being used to power the electric motor generators in the cranes.

High levels of ferrous metal contamination flowed through the existing conventional filters resulting in reduced operational life of injectors, actuators and camshafts. Further, this caused reduced fuel efficiency, increased emissions and increased fuel consumption.

SOLUTION

Install OEI magnetic filter scrubbers as the primary fuel filters on 4 Cummins engines.

RESULTS

After 14 days of operation, a significant amount of contaminant was captured by the magnetic filters.

After 18 months of testing, the OEI filters improved fuel cleanliness and reduced premature wear of the actuators, injectors and camshafts. The fuel actuator and injector life has since been extended by 6000 hours. The camshaft life has also been extended to 12,000 hours. The Engineering Director of Surabaya port Mr. Adam has approved implementation of OEI filtration on all fuel systems and gear boxes in the port.



PRODUCT RECOMMENDATION
MAGNETIC FILTER SCRUBBER



403.242.4221



QUOTES@ONEEYEINDUSTRIES.COM

