



CASE STUDY

CUSTOMER

RIO TINTO IRON ORE GROUP

LOCATION

AUSTRALIA / NOV2008

EQUIPMENT

830E HAUL TRUCK WHEEL MOTORS

APPLICATION

WHEEL MOTOR SUMP LUBE OIL

PROVEN RESULTS



REDUCED CONTAMINATION:

105 PPM TO 20 PPM
IN
1 748 HOURS

CHALLENGE

Surpass the haul truck's OEM magnetic plug's filtration capability to better protect the wheel motor sumps.

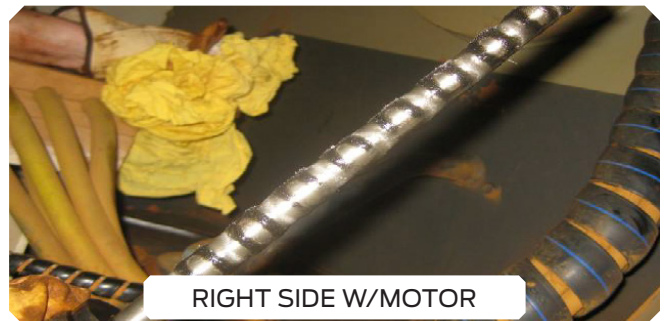
SOLUTION

Install OEI magnetic filter elements in place of the manufacturer's drain plugs.

RESULTS

The photos show contamination captured on the magnetic filter elements after 1 748 hours of operation.

Inspection results showed a reduction of ferrous contamination on the left wheel motor sump from 105 ppm to 85 ppm, and on the right wheel motor sump from 85 ppm to 20 ppm. Latest oil samples indicate less than 5 ppm FE for both sumps.



PRODUCT RECOMMENDATION

MAGNETIC FILTER ELEMENT

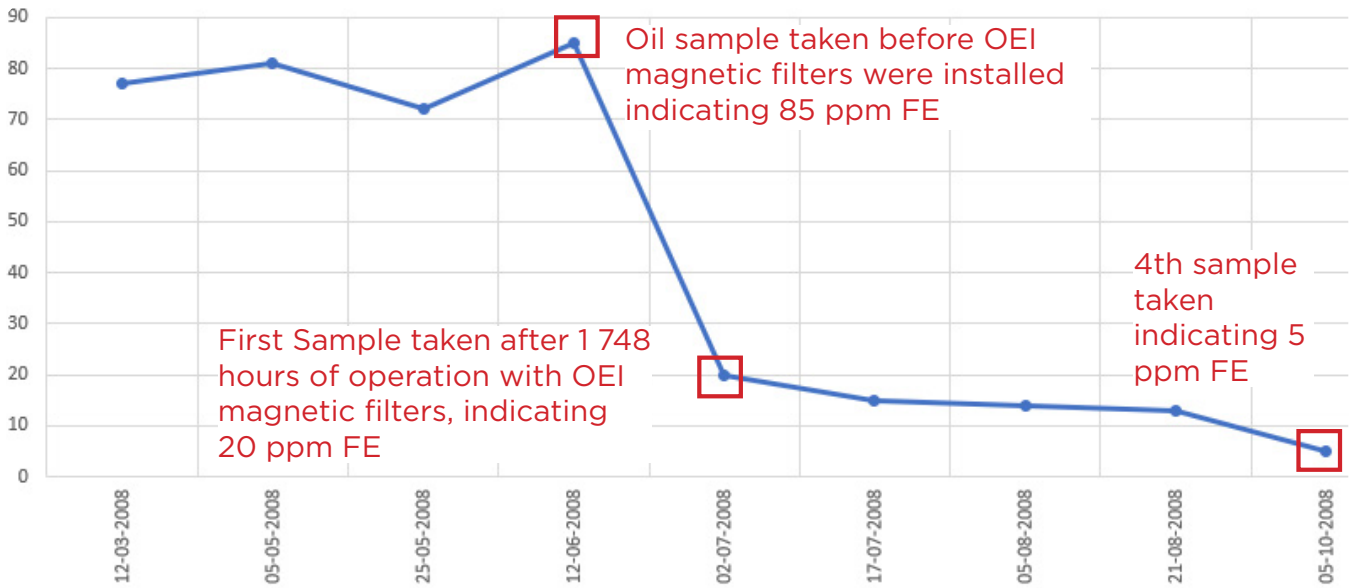


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LEFT WHEEL MOTOR SUMP



RIGHT WHEEL MOTOR SUMP

