



CASE STUDY

CUSTOMER

BHP, BILLITON MITSUBISHI ALLIANCE

LOCATION

LABRADOR CITY, NL CANADA / JUN 2008

EQUIPMENT

830E WHEEL MOTORS

APPLICATION

WHEEL MOTOR LUBE OIL

PROVEN RESULTS

INCREASED QUALITY OF FUEL

CHALLENGE

No filtration in the wheel sumps. Oil analysis showed an increase in ferrous contamination level.

SOLUTION

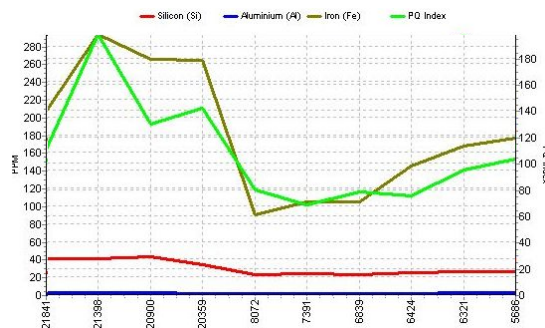
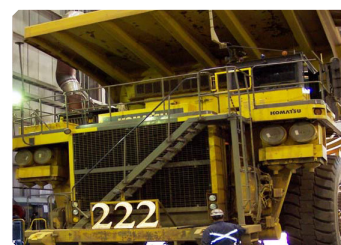
Install an OEI magnetic filter filler cap design in place of the manufacturers' filler cap.

RESULTS

A photo on the right shows the results of the magnetic filter after only 452 hrs. Having the magnetic filter designed into the filler cap allows for continuous inspection which also works as a predictive maintenance tool.

If an increase in contamination is noticed proper actions can be taken. Without this tool an increase in ferrous contaminants would not be noticed until oil analysis is taken.

The graph shows the results of installing the magnetic filter at 6839 hrs of operation. The Fe ppm dropped from 260 to 90 and is being filtered to submicron levels. Continuous filtration will lower the contamination levels and keep them low thereby extending component and lube oil life.



PRODUCT RECOMMENDATION

MAGNETIC FILTER ELEMENT

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