

## Gear Oil Magnetic Filtration Case Study



**Mining Company**  
**Eastern Australia**  
**Hail Creek, Queensland**  
May 2008

**APPLICATION:** Komatsu 475 Dozers  
Final Drives

**PROBLEM:** High metal counts, brought on with a change of lubricant that was not compatible with the final drives.

**SOLUTION:** Replace OEM ceramic magnetic filter plugs with OEI Magnetic Filter plugs.

**RESULTS:** The Final Drives were fitted with One Eye magnetic plugs as they did not have spares and they needed the Dozer to keep going until the spares arrived. This is the results after 11,420 hrs.

**“Alan stated that the OEM plug would not have been able to do what the One Eye plug did and in fact the One Eye plugs played a major part in getting the final drive to keep operating until the spares arrived.”**

As a result they are now installing One Eye Magnetic Plugs in both the Komatsu and Caterpillar equipment. They are also implementing an analysis program for these plugs. Purchasing an extra plug for each location when the plug is removed it is package and sent for testing and the second plug is installed. This procedure will eliminate any chance of cross contamination.

For further information contact our office or visit our website [www.OneEyeIndustries.com](http://www.OneEyeIndustries.com).