



### **Bulk Fuel Filtration : Barrick Gold, Kanowna Belle Gold Mine, Western Australia**

Kanowna Belle Gold Mine concerned with the contamination levels in its Bulk Fuel Tanks approached Filter Technology to design a kidney unit for their tanks to flow 200 LPM and run 24/7.

The target ISO level was 17/13 Cats recommended level for diesel fuel.

Samples below taken on the 8/9/04 indicate the ISO levels at 23/18 and higher when FTA was approached to build the units. The three FM1040PU's were fitted in Jan 2004 and the first samples taken on the 2/5/06 indicated the units were reducing the contamination.

Samples taken 17/5/05 indicated the units had reduced the ISO cleanliness to 16/12, 16/12 and 17/14 an average of over 99% reduction in particulate contamination and below the target level of 17/13.

Based on these results more units have been purchased for other sites and Kanowna Belle are pleased with what the FM 1040's have achieved.

	<i>8/9/04</i>	<i>2/5/05</i>	<i>17/5/05</i>	<i>Contamination Reduction</i>
<i>Tank 1</i>	<i>25/18</i>	<i>20/18</i>	<i>16/12</i>	<i>99.80%</i>
<i>Tank 2</i>	<i>23/18</i>	<i>21/20</i>	<i>16/12</i>	<i>99.15%</i>
<i>Tank 3</i>	<i>29/19</i>	<i>21/20</i>	<i>17/14</i>	<i>99.95%</i>

