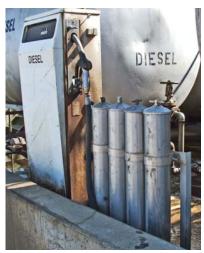
## **Bowser Fuel Filtration Systems: Transport Companies**

## Hanson Kilmore

Hanson fitted a Filter Technology Australia FMO440 fuel delivery system to their bowser at the Kilmore Quarry. It was pointed out prior to fitting the unit that the site was an extremely dusty environment and that every 100 litres of fuel drawn from the Diesel tank was replaced with 100 litres of dusty air.

We took some fuel sample before and after the fitting the fuel delivery system and found the fuel particulate count reduced from ISO 22/17 to 16/13, which is 96% cleaner. The particulate that would pass through the OEM filter element reduced as follows.



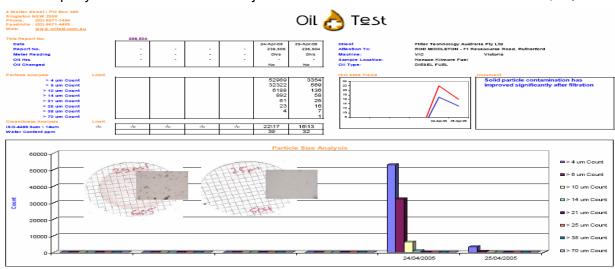
Micron	Before	After	Difference
>4	52,989	3,354	93.6 %
>6	32,322	569	98.2 %
>10	6,188	136	97.8 %

The site had a 775E CAT dump truck, which was experiencing trouble with fuel injectors prior to fitting the fuel delivery system. The service company fitted a reconditioned set of injectors about the same time as FTA fitted the fuel delivery system.

A month after fitting the fuel delivery system Kilmore Quarry again experienced trouble with failing fuel injectors on the 775 dump truck, the service company suggested that the fuel was dirty which caused the fuel injectors to fail, and that the injectors would have to be replaced at \$1,200 each or \$15,000 for the set.

The site manager pointed out that they had fitted a fuel filter to the bowser about the same time as the injectors were fitted and provided them with a copy of the fuel analysis report that proved the fuel was at ISO 16/13 which was CAT's recommendation.

The company fitted a new set of fuel injectors under warrantee which saved Hanson \$15,000.



Due to the success of the fuel delivery system, the Quarry have now fitted breathers to all the Fuel Oil and Bulk Oil tank