

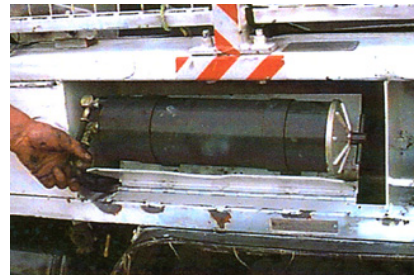


P J Berriman Personnel Carriers, Diesel Engines : Kenmere Mine - Queensland

Kenmere Mine operates PJ Berriman personnel carriers in their underground coal operation in Queensland. These vehicles are powered by 6 cylinder diesel KIA engines. They fitted Filter Technology FMO2 by-pass oil filters. After evaluating the systems for a period, they were disconnected.

Oil analysis trending has been carried out throughout the engine life and upon disconnection all wear metal trends increased along with soot. The systems were reconnected and the **machines have 9000 hours on the clock.**

Similar machines operating in the Bowen Basin and at Kenmere Mine had a life span of 4000–5000 hours. PJ Berriman were monitoring the success of Kenmere Mine's machines and are now fitting out their hire fleet and offer the Filter Technology systems as an optional extra on new machines.



Komatsu Dozer, Diesel Engine : Roche Mining - Ulan Coal Mine

Roche Mining

Roche Mining, contractors at Ulan Coal, fitted a FMF2 fuel filtration system to their Komatsu dozer. The aim was to extend fuel pump and fuel injector life in the machine.

The dozer was fitted from new and, as at Oct 2001, has over 9,000 running hours and there have been no fuel issues with this machine.

Sample 28524, a filtergram done on Filter Technology elements with 750 hours, shows particles ranging from 2 microns to a maximum size of 10 microns being mainly coal dust. This contamination has gone through the OEM filters and would have gone to the injectors eventually causing premature failure.

Filter Gram

