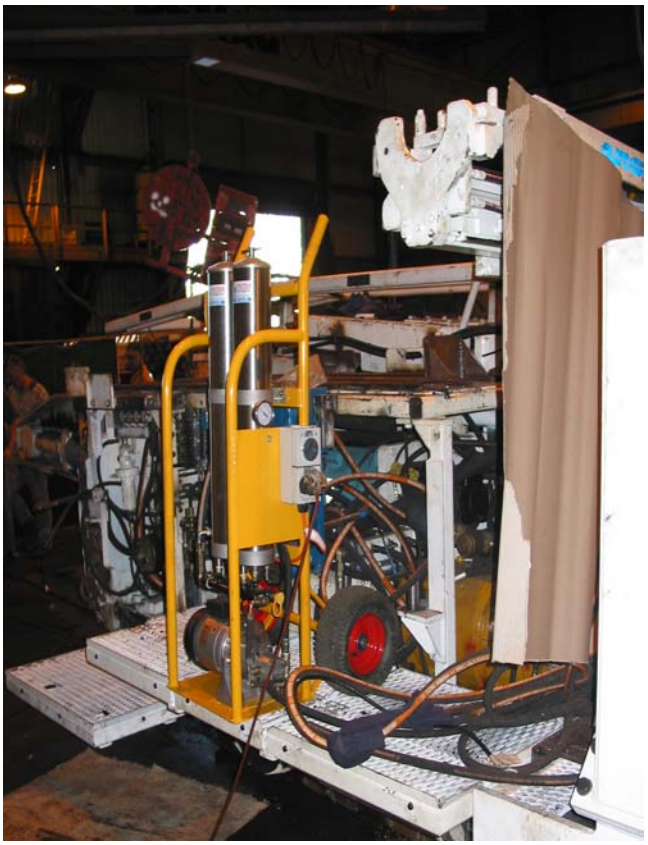
Hydraulics, Underground Machinery : Waratah Engineering, NSW

Waratah Engineering



This Newcastle based underground machinery supplier is keen to insure that when their equipment is delivered to their customers it arrives with the oil at acceptable ISO cleanliness levels.

All machines are test run before delivery, after the test run was completed Waratah Engineering hired Filter Technology's FM 502 filter buggy with the view to assist them in achieving the cleanliness levels required.

The oil analysis report below indicates the oil at ISO 21/17 after the miners test run, the buggy was connected and run and has reduced the oil to an ISO 14/11.

A reduction of 96% in particulate contamination.

4 Walter Street \ PO Box 480
Singleton NSW 2330
Phone: (02) 6571-1444
Facsimile : (02) 6571-4433
Web: www.oiltest.com.au

Oil Test

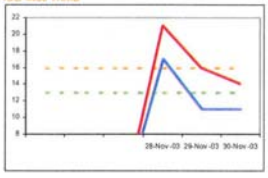
This Report No: 203,868

				28-Nov-03	29-Nov-03	30-Nov-03
Date						
Report No.	-	-	-	203,866	203,867	203,868
Meter Reading	-	-	-	0hrs	0hrs	0hrs
Oil Hrs	-	-	-	-	1	8
Oil Changed				No	No	No

Client: Filter Technology Australia Pty Ltd
Attention To: PHILLIP MARHEINE - 71 Racecourse Road, Rutherford
Machine: WARENG Waratah Engineering
Sample Location: Hydraulics
Oil Type: ISO 68

Particle Analysis	Limit					
> 4 um Count				42374	3470	1395
> 6 um Count				13488	337	148
> 10 um Count				1968	41	29
> 14 um Count				659	13	13
> 21 um Count				123	2	4
> 25 um Count				46	1	2
> 38 um Count				5		
> 70 um Count				3		
Cleanliness Analysis	Limit					
ISO-4406 6um \ 14um	16\13	-/-	-/-	-/-	21\17	16\11	14\11
Water Content ppm					56	32	31

8 ISO 4406 Trend



Comment: After 8 hours filtration. Solid particle contamination has improved significantly.