

Hydraulic Filtration Installations : Port Stephens Council

Port Stephens Council

After installing a JQ440F filtration system to the diesel bowser at their depot and seeing considerable measurable results immediately it was decided to complete some trials on various oils to see if oil life and machine availability could be increased.

A FM502 filter buggy was plumbed into the 400 litre hydraulic tank on a roller and left to run for 6 hours, oil samples were taken before and after filtration.

The oil analysis results indicate that particulate contamination was reduced from ISO 19/15 to ISO 17/14, this is a 84.7% reduction in particulate contamination in this 6 hour period.



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This Report No:

205.235				7-Jan-04	8-Jan-04
Date	-	-	-	205.234	205.235
Report No.	-	-	-	0hrs	0hrs
Meter Reading	-	-	-	-	-
Oil Hrs	-	-	-	No	No
Oil Changed	-	-	-	-	-

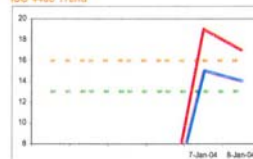
Client: Filter Technology Australia Pty Ltd
Attention To: PHILLIP MARHEINE - 71 Racecourse Road, Rutherford
Machine: PORTCC Port Stephens Council
Sample Location: Roller - Hydraulic Circuit
Oil Type: ISO 32

Particle Analysis

- > 4 um Count
- > 6 um Count
- > 10 um Count
- > 14 um Count
- > 21 um Count
- > 25 um Count
- > 38 um Count
- > 70 um Count

Limit					15847	2418
					4165	752
					802	258
					312	143
					121	96
					85	88
					43	64
					10	25

ISO 4406 Trend



Comment

Dissolved copper slightly elevated. Solid particle contamination has reduced from ISO 4406 19/15 to 17/14 and all visible debris > 3um has been removed from the system.

Cleanliness Analysis

ISO-4406 6um \ 14um
Water Content ppm

Limit					19/15	17/14
16/13	-/-	-/-	-/-	-/-	1139	1078

