

City Power

City Power usually uses a large filter press situated on the back of a truck to clean the transformer oil in Circuit Breakers and Tap Changers, City Power contacted Filter Technology and decide the FM 504 fitted with a 20LPM pump would suit the application as the FM 504 was much smaller and a lot easier to move than the current system, stair-climbing wheels were installed to negotiate the inner city sub stations.



Circuit Breakers can't be off line for long periods so the ease and more accessibility of the FM 504 made good sense to City Power.

The FM 504 achieved in one pass what the old system would have taken five passes to achieve.

The Transformer Oil was 82% cleaner after filtering and the dielectric strength improved by 15%

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 Singleton NSW 2350
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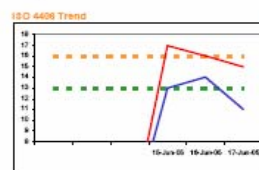
This Report No: 243,871
 Date: - - -
 Report No: - - -
 Meter Reading: - - -
 Oil Hrs: - - -
 Oil Changed: - - -

	15-Jun-05	16-Jun-05	17-Jun-05
Date	243,868	243,870	243,871
Meter Reading	Dhrs	Dhrs	Dhrs
Oil Hrs	-	-	-
Oil Changed	No	No	No

Client: Filter Technology Australia Pty Ltd
 Attention To: ROD MIDDLETON - 71 Racecourse Road, Rutherglen
 Machine: BOUV
 Sample Location: Hyde BSB233
 Oil Type: ISO 15
 Bouvourie Feeder

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	15-Jun-05	16-Jun-05	17-Jun-05
> 4 um Count	5965	1069	769
> 6 um Count	1215	414	160
> 10 um Count	188	149	43
> 14 um Count	61	113	19
> 21 um Count	23	88	5
> 25 um Count	18	79	3
> 38 um Count	10	55	-
> 70 um Count	5	19	-



Comment: After filtration, solid particle contamination has improved.

Cleanliness Analysis
 ISO-4406 6um / 14um
 Water Content ppm

Limit	15-Jun-05	16-Jun-05	17-Jun-05
ISO-4406 6um / 14um	-/-	-/-	-/-
Water Content ppm	16/13	17/13	16/14
	500	31	19
			24

