



**JQ440 Filtration System, Injection Moulding Machine : Viscount Plastics**

**Viscount Plastics**

Viscount Plastics fitted a JQ440 filtration system to their Battenfeld 850 injection moulding machine to evaluate Filter Technology systems. Their aim was to lower the particle count and, in turn, extend machine component life and uptime.

Fitting was on 25 November 1999 where sample 17100 shows an ISO level of 19/15. After 1076 hours of operation with the filtration system in place, the oil returned an ISO of 12/9.

1000 hours was set as the benchmark for element changes and the system was then taken over by Viscount. It is reported to be still returning good results and servicing is still done at 1000 hours. This improvement of seven ISO codes is a reduction of 98% of the contamination in the system.



<b>Client</b>	<b>Filter Technology Australia Pty Ltd / Leopold</b>	<b>Site</b>	Viscount Plastic Braeside
<b>Contact</b>	John Maguire	<b>Unit ID/Name</b>	#V10 Inj Moulder / Injection Moulding Machine
<b>Address</b>	33 Townview Court Leopold, VIC 3224	<b>Manufacture/Model</b>	Battenfeld / 850 I
<b>Telephone</b>	(03) 5250 1219	<b>Origin</b>	Reservoir - Machine # V10
<b>Fax</b>	(03) 5250 4519	<b>Fuel/Oil Type</b>	Valvoline 68

<b>Diagnosis:</b>							
Ok. OK.							
<b>Sample Number</b>	19350	17921	17394	17100			<b>Indicative Levels</b>
<b>Date</b>	10/03/2000	21/01/2000	07/12/1999	25/11/1999			
<b>Total Hours/Km</b>	4052.00		3252.00	2976.00			
<b>Hours/Km on Oil</b>	1076.00		276.00	2976.00			
<b>Oil Changed</b>	NO	NO	NO	NO			
<b>Oil Added</b>	10		N/K	10ltrs			
<b>Condition Tests</b>	Fuel Dilution (%)						
	WT Solids (%)						
	Volume Water (%)	ND	ND	ND			
	Water PPM						
	Viscosity @ 40C (cST)	51.00	51.00	47.00			
	TAN (mg/KOH/g)	0.83	0.63	0.62			
	TBN (mg/KOH/g)						
<b>Wear Metals</b>	Aph						
	PQ90 Index						
	Aluminum (Al)	0	<1	<1			
	Silicon (Si)	0	<1	<1			
	Tin (Sn)	0	<1	<1			
	Iron (Fe)	2	<1	<1			
	Lead (Pb)	0	<1	<1			
	Copper (Cu)	3	<1	2			
	Chromium (Cr)	1	1	2			
Sodium (Na)	0	1	<1				
<b>Cleanliness</b>	Zinc (Zn)		N/A	N/A			
	Others						
	ISO4406	12/9	16/13	15/12	19/15		
	Gravi-Metric						
	>2 micron	87.00	1127.00	797.00	8058.00		
>5 micron	32.00	416.00	294.00	2978.00			
>15 micron	3.00	44.00	31.00	317.00			
Contamination	Low	Moderate	Low	Elevated			