

## ANALYTICAL SERVICE REPORT

Date: 04/02/16



<b>Customer:</b>	<b>H+S Aviation Ltd</b>
<b>Site name(s):</b>	Airport Service Road & Robinson Way
<b>Email:</b>	<a href="mailto:Steve.conway@hsaviation.co.uk">Steve.conway@hsaviation.co.uk</a>

ANALYSIS	Water Softener Samples					Cooling tower samples						LIMITS
	1 bed water Softener	3 + 4 Bed Softener Water	TC5 Water Softener	E.A.B Water Softener	Process Water Softener	TC1 Cooling Tower	TC3 Cooling Tower	TC4 Cooling tower	TC5 Cooling Tower	E.A.B. Cooling Tower	Process Cooling Tower	
Total Hardness	Nil	Nil	Nil	Nil	Nil	25	10	40	<10	40	30	<b>Softeners &lt; 2</b>
P.Alkalinity						20	0	60	0	120	50	
M.Alkalinity						570	370	810	330	1,320	740	
OH.Alkalinity						0	0	0	0	0	0	
Chloride	30	30	30	30	30	95	65	165	55	210	130	
Conductivity	560	570	580	560	575	1,080	700	1,550	610	2,460	1,400	
Conc. Factor						1.9	1.2	2.7	1.05	4.4	2.4	<b>Max 5.0</b>
pH	7.4	7.4	7.7	7.5	7.6	8.8	8.6	9.2	7.8	9.1	9.1	
Bromine (ppm)						0.5	n/a	n/a	n/a	n/a	n/a	<b>≥0.5</b>
Total Fe (mg/l)						<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<b>&lt;0.1</b>
Inhibitor SC320 Phosphonate						210	210	350	210	385	310	<b>200 - 400</b>
Make - Up water Meter (M3)						24223	116	465	1780	576	-	
Temperature °C						-	-	-	-	-	-	
Bacteria Dipslide	-	-	-	-	-	√	√	√	√	√	√	
Time of sampling						10:20	10:45	11:00	10:05	09:50	11:30	
BC60 weekly use	-	-	-	-	-	1.0L	1.0L	1.2L	0.2L	0.9L	1.6L	
BC70 weekly use	-	-	-	-	-	n/a	0.6L	2.3L	0	1.6L	1.6L	
SC320 weekly use	-	-	-	-	-	0.2L	0.2L	0.2L	0	0.5L	1.7L	

**Comments and recommendation:**

Water Softeners – All producing good quality soft water.

Cooling Towers:-

1 Bed Cooling Tower – Shows good results \*

3 Bed Cooling Tower – Shows good results.

4 Bed Cooling Tower – Shows good results.

TC5 Cooling Tower – Shows good results \*\*

E.A.B. Cooling Tower – Shows good results.

Process Cooling Tower – Shows good results.

**Additional Notes:**

\*Brominator was airlocked – ok now. Pipe was loose in sump, re-fixed today.

\*\*Low water level in cooling tower sump tank

All salt topped up today in water softener brine tanks

<b>Customer Name ( print )</b>	Steve Conway	<b>Representative Name (print)</b>	Ben Freeston
<b>Customer Signature</b>		<b>Representative Signature</b>	<i>Ben Freeston</i>