

## ANALYTICAL SERVICE REPORT

Date: 07/04/16



Customer:	<b>H+S Aviation Ltd</b>
Site name(s):	Airport Service Road & Robinson Way
Email:	<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	20	10	40	<10	40	25	<b>Softeners &lt; 2</b>
P.Alkalinity						35	20	60	20	120	40	
M.Alkalinity						610	420	880	440	1,220	660	
OH.Alkalinity						0	0	0	0	0	0	
Chloride	30	30	32	30	30	90	75	170	70	200	120	
Conductivity	580	580	590	580	580	1,110	810	1,670	770	2,280	1,280	
Conc. Factor						1.9	1.4	2.9	1.3	4.1	2.2	<b>Max 5.0</b>
pH	7.4	7.4	7.6	7.5	7.5	9.0	8.7	9.1	8.6	9.2	9.1	
Bromine (ppm)						0.3*	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	385	210	315	350	<b>200 - 400</b>
Make - Up water Meter (M3)						24341	121	485	1887	589	-	
Temperature °C						-	-	-	-	-	-	
Bacteria Dipslide	-	-	-	-	-	√	√	√	√	√	√	
Time of sampling						10:30	10:45	10:55	10:15	10:00	12:30	
BC60 weekly use	-	-	-	-	-	0.8L	1.2L	1.0L	0.3L	1.0L	1.9L	
BC70 weekly use	-	-	-	-	-	n/a	0**L	1.0L	0.6L	1.6L	2.0L	
SC320 weekly use	-	-	-	-	-	0.2L	0.2L	1.2L	0.4L	0.2L	1.7L	

**Comments and recommendation:**

Water Softeners – All producing good quality soft water.

Cooling Towers:-

1 Bed Cooling Tower – Shows good results other than low bromine level\*

3 Bed Cooling Tower – Shows good results, although no BC70 had dosed\*\*

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 refilled with BC90 tablets and bled of air

\*\*Manually dosed BC70 and re-primed dosage pump

All salt topped up today in water softener brine tanks

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