

## ANALYTICAL SERVICE REPORT

Date: 03/03/16



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						40	0	60	0	130	40	
M.Alkalinity						680	390	800	370	1,280	680	
OH.Alkalinity						0	0	0	0	0	0	
Chloride	28	28	30	30	32	110	70	160	60	210	120	
Conductivity	580	580	590	575	580	1,260	730	1,520	670	2,360	1,300	
Conc. Factor						2.2	1.3	2.6	1.14	4.1	2.2	<b>Max 5.0</b>
pH	7.5	7.5	7.8	7.5	7.6	9.1	8.6	9.1	8.1	9.4	9.2	
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	350	315	<b>200 - 400</b>
Make - Up water Meter (M3)						24287	119	473	1801	581	-	
Temperature °C						16	9	11	10	7	10	
Bacteria Dipslide	-	-	-	-	-	√	√	√	√	√	√	
Time of sampling						11:25	11:35	11:45	11:10	11:00	12:10	
BC60 weekly use	-	-	-	-	-	0.8L	1.0L	0.9L	0.6L	1.0L	1.7L	
BC70 weekly use	-	-	-	-	-	n/a	0.6L	1.5L	0.6L	1.5L	2.0L	
SC320 weekly use	-	-	-	-	-	0.2L	0.2L	0.6L	1.5L	0.3L	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:**

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>