

ANALYTICAL SERVICE REPORT

Date: 05/05/16

Customer:	H+S Aviation Ltd
Site name(s):	Airport Service Road & Robinson Way
Email:	Steve.conway@hsaviation.co.uk

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	10	<5	25	<10	30	20	Softeners < 2
P.Alkalinity						20	0	50	0	90	30	
M.Alkalinity						570	350	700	390	1,080	580	
OH.Alkalinity						0	0	0	0	0	0	
Chloride	30	30	32	30	30	80	45	140	60	180	120	
Conductivity	580	580	590	580	580	1,000	580	1,300	660	2,080	1,120	
Conc. Factor						1.7	1.0	2.2	1.1	3.6	1.9	Max 5.0
pH	7.4	7.4	7.6	7.5	7.5	8.8	7.9	9.0	8.6	9.1	8.8	
Bromine (ppm)						2.0	n/a	n/a	n/a	n/a	n/a	≥0.5
Total Fe (mg/l)						<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
Inhibitor SC320 Phosphonate						210	245	350	245	350	385	200 - 400
Make - Up water Meter (M3)						24410	127	504	1950	598	-	
Temperature °C						-	-	-	-	-	-	
Bacteria Dipslide	-	-	-	-	-	√	√	√	√	√	√	
Time of sampling						11:40	11:50	12:00	11:30	11:20	13:15	
BC60 weekly use	-	-	-	-	-	0.8L	1.0L	1.0L	0.4L	1.0L	1.7L	
BC70 weekly use	-	-	-	-	-	n/a	0.8L	1.7L	0.4L	1.0L	1.7L	
SC320 weekly use	-	-	-	-	-	0.2L	0.2L	0.5L	0.6L	0.7L	2.1L	

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. Low readings though – will monitor this.

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>