

ANALYTICAL SERVICE REPORT

Date: 07/01/16



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	30	10	25	<10	40	30	Softeners < 2
P.Alkalinity						60	0	40	0	100	50	
M.Alkalinity						1,030	350	760	360	1,180	740	
OH.Alkalinity						0	0	0	0	0	0	
Chloride	30	30	30	30	30	180	60	160	60	215	140	
Conductivity	560	560	570	560	580	2,080	610	1,450	610	2,240	1,410	
Conc. Factor						3.7	1.09	2.6	1.07	4.0	2.4	Max 5.0
pH	7.3	7.3	7.5	7.4	7.5	9.1	8.2	8.8	8.3	8.8	9.0	
Bromine (ppm)						1.3	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	285	210	350	315	200 - 400
Make - Up water Meter (M3)						24166	114	458	1734	572	-	
Temperature °C						-	-	-	-	-	-	
Bacteria Dipslide	-	-	-	-	-	√	√	√	√	√	√	
Time of sampling						09:50	10:30	10:40	10:00	10:00	11:00	
BC60 weekly use	-	-	-	-	-	1.3L	0.8L	0.8L	0.2L	0.9L	1.9L	
BC70 weekly use	-	-	-	-	-	n/a	0.6L	1.2L	0.2L	1.6L	1.2L	
SC320 weekly use	-	-	-	-	-	0	0.2L	0.2L	0	0	0.5L	

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:

Empty chemical drums replaced for new.

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>