

ANALYTICAL SERVICE REPORT

Date: 07/02/19



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	TCS 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	10	20	10	35	20	Softeners < 2
P.Alkalinity						20	0	40	20	80	40	
M.Alkalinity						470	340	770	480	1,300	820	
OH.Alkalinity						0	0	0	0	0	0	
Chloride	30	30	30	30	30	80	45	130	80	210	140	
Conductivity	560	560	580	560	550	920	640	1,460	880	2,540	1,530	
Conc. Factor						1.64	1.14	2.60	1.52	4.54	2.78	Max 5.0
pH	7.5	7.5	7.6	7.5	7.4	8.5	7.9	8.5	8.4	8.7	8.6	
Bromine (ppm)						4.0	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	210	315	245	315	350	200 - 400
Make - Up water Meter (M3)						25954	451	858	3473	80	7968	
Temperature °C						15.2	8.2	16.8	12.0	9.4	10.2	
Bacteria Dipslide	-	-	-	-	-	√	√	√	√	√	√	
Time of sampling						12:35	12:50	13:10	11:40	12:10	14:00	

Comments and recommendation:

Water Softeners – All producing good quality soft water.

Cooling Towers:-

1 Bed Cooling Tower – Shows good results. Bromine reserve at 4.0ppm – Very Good.

3 Bed Cooling Tower – Shows good results.

4 Bed Cooling Tower – Shows good results. Water is again oily though.

TC5 Cooling Tower – Shows good results, foam almost cleared.

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

Process Cooling Tower – Shows good results.

Additional Notes:

Low or empty chemical drums changed 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>