

ANALYTICAL SERVICE REPORT

Date: 21/03/19



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	10	15	30	25	Softeners < 2
P.Alkalinity						20	20	30	40	70	40	
M.Alkalinity						540	460	390	720	1,180	880	
OH.Alkalinity						0	0	0	0	0	0	
Chloride	30	30	30	30	30	90	70	60	115	190	145	
Conductivity	550	550	575	550	540	1,040	920	740	1,380	2,220	1,640	
Conc. Factor						1.89	1.67	1.35	2.4	4.03	3.03	Max 5.0
pH	7.4	7.4	7.5	7.5	7.4	8.3	8.7	9.1	9.0	9.2	9.1	
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)						26017	457	877	3519	90	-	
Temperature °C						16.1	11.2	14.6	18.2	10.8	13.7	
Bacteria Dipslide	-	-	-	-	-	√	√	√	√	√	√	
Time of sampling						11:50	12:05	12:15	11:35	11:20	12:30	

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.

TC5 Cooling Tower – Shows good results.

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>