

ANALYTICAL SERVICE REPORT

Date: 04/04/19



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	15	15	20	20	Softeners < 2
P.Alkalinity						20	10	30	40	60	40	
M.Alkalinity						490	390	520	690	1,110	660	
OH.Alkalinity						0	0	0	0	0	0	
Chloride	30	30	30	30	30	80	60	85	110	170	105	
Conductivity	550	550	580	550	560	980	780	990	1,320	2,100	1,240	
Conc. Factor						1.67	1.42	1.86	2.24	4.03	4.03	Max 5.0
pH	7.4	7.4	7.6	7.5	7.4	8.4	8.5	8.9	9.1	9.1	8.9	
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	280	280	315	315	200 - 400
Make - Up water Meter (M3)						26026	458	881	3534	94	7982	
Temperature °C						11.7	7.6	15.3	14.0	8.1	8.6	
Bacteria Dipslide	-	-	-	-	-	√	√	√	√	√	√	
Time of sampling						11:45	12:00	12:10	11:15	11:30	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>