

ANALYTICAL SERVICE REPORT

Date: 03/01/19



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	15	40	25	Softeners < 2
P.Alkalinity						20	0	40	30	60	40	
M.Alkalinity						480	350	760	720	1,140	880	
OH.Alkalinity						0	0	0	0	0	0	
Chloride	30	30	30	30	30	80	50	130	115	185	145	
Conductivity	550	550	560	550	560	950	680	1,440	1,360	2,240	1,720	
Conc. Factor						1.72	1.24	2.62	2.43	4.07	3.13	Max 5.0
pH	7.4	7.4	7.5	7.4	7.5	8.4	8.4	8.8	8.8	8.9	8.8	
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	280	280	315	200 - 400
Make - Up water Meter (M3)						25896	447	853	3444	74	7927	
Temperature °C						10.3	5.4	6.2	11.2	3.9	6.6	
Bacteria Dipslide	-	-	-	-	-	√	√	√	√	√	√	
Time of sampling						11:20	11:35	11:50	11:05	10:50	12:25	

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, still some foam on the surface of the tank water.

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>