

ANALYTICAL SERVICE REPORT

Date: 13/06/19



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	20	10	20	20	Softeners < 2
P.Alkalinity							0	50	40	80	50	
M.Alkalinity							390	680	680	1,150	760	
OH.Alkalinity							0	0	0	0	0	
Chloride	30	30	30	30	30		60	110	110	190	120	
Conductivity	560	560	590	560	560		720	1,320	1,280	2,160	1,420	
Conc. Factor							1.29	2.36	2.17	3.86	2.54	Max 5.0
pH	7.4	7.4	7.6	7.5	7.4		8.3	8.8	8.7	9.3	8.9	
Bromine (ppm)							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
Inhibitor SC320 Phosphonate							210	315	245	315	280	200 - 400
Make - Up water Meter (M3)						26054	463	899	3620	116	8066	
Temperature °C							12.4	14.2	16.2	13.6	13.5	
Bacteria Dipslide	-	-	-	-	-		√	√	√	√	√	
Time of sampling							11:50	12:10	12:30	11:35	13:00	

Comments and recommendation:

Water Softeners – All producing good quality soft water.

Cooling Towers:-

1 Bed Cooling Tower – Off line and drained down for maintenance.

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>