

ANALYTICAL SERVICE REPORT

Date: 03/11/16



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	TC5 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	<5	<5	<10	20	10	Softeners < 2
P.Alkalinity						0	0	0	20	100	0	
M.Alkalinity						490	350	780	480	1,180	400	
OH.Alkalinity						0	0	0	0	0	0	
Chloride	30	30	30	30	30	80	40	50	70	220	70	
Conductivity	580	580	590	580	590	940	580	630	760	2,250	760	
Conc. Factor						1.6	1.0	1.1	1.3	3.9	1.3	Max 5.0
pH	7.4	7.4	7.5	7.4	7.5	8.2	7.7	7.9	8.5	8.7	8.0	
Bromine (ppm)						3.0	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	100	280	350	280	200 - 400
Make - Up water Meter (M3)						24772	158	599	2298	662	-	
Temperature °C						13.2	12.0	11.2	24.6	8.7	14.2	
Bacteria Dipslide	-	-	-	-	-	√	√	√	√	√	√	
Time of sampling						10:50	11:05	11:15	10:35	10:20	12:15	

Comments and recommendation:

Water Softeners – All producing good quality soft water.

Cooling Towers:-

1 Bed Cooling Tower – Shows good results.

3 Bed Cooling Tower – Shows good results.

4 Bed Cooling Tower – Low inhibitor, dosage pump had again lost its prime. Manually dosed and re-primed pump.

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.
Clean and disinfection carried out or being carried out this week

Customer Name (print)	Steve Conway	Representative Name (print)	Ben Freeston
Customer Signature		Representative Signature	<i>Ben Freeston</i>