

## ANALYTICAL SERVICE REPORT

Date: 14/07/16



Customer:	<b>H+S Aviation Ltd</b>
Site name(s):	Airport Service Road & Robinson Way
Email:	<a href="mailto:Steve.conway@hsaviation.co.uk">Steve.conway@hsaviation.co.uk</a>

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	30	<10	30	25	<b>Softeners &lt; 2</b>
P.Alkalinity						20	10	70	20	90	80	
M.Alkalinity						630	440	880	470	1,060	980	
OH.Alkalinity						0	0	0	0	0	0	
Chloride	30	30	30	30	30	90	65	165	80	180	170	
Conductivity	575	575	590	575	580	1,030	770	1,780	860	2,020	1,850	
Conc. Factor						1.8	1.3	3.0	1.5	3.5	3.2	<b>Max 5.0</b>
pH	7.3	7.3	7.5	7.4	7.4	8.8	8.4	9.0	8.6	9.1	8.9	
Bromine (ppm)						0.5	n/a	n/a	n/a	n/a	n/a	<b>≥0.5</b>
Total Fe (mg/l)						<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<b>&lt;0.1</b>
Inhibitor SC320 Phosphonate						210	280	385	245	350	420	<b>200 - 400</b>
Make - Up water Meter (M3)						24539	133	532	2079	622	-	
Temperature °C						23.1	16.0	24.0	16.4	16.6	18.0	
Bacteria Dipslide	-	-	-	-	-	√	√	√	√	√	√	
Time of sampling						11:15	11:30	11:40	11:00	10:50	12:50	

**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 – 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>