

Southeast Hardwoods
3215 Plank Rd
Crozet, VA 22901

Submitted to:
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Test	Boiler System			
	Softener	Feedwater	Boiler	Condensate
pH	8.1	8.7		7.4
<small>control range</small>				8-9
Conductivity	156	116	1016	32
<small>(µS/cm) control range</small>				0-50
TDS			685	
<small>control range</small>			1750-2500	
Total Hardness	0	0		
<small>(ppm CaCO₃) control range</small>	0-0.5	0-0.5		
P-Alkalinity			200	
<small>control range</small>				
M-Alkalinity			250	
<small>control range</small>				
Orthophosphate			72	
<small>(ppm) control range</small>			30-60	
Sulfite			40	
<small>(ppm) control range</small>			30-60	
Iron		0.04		0.08
<small>(ppm) control range</small>				
Temperature		191		
<small>(°F) control range</small>		>180		

Comments

Softener

Softener measured in good control with zero hardness detected.

Boiler

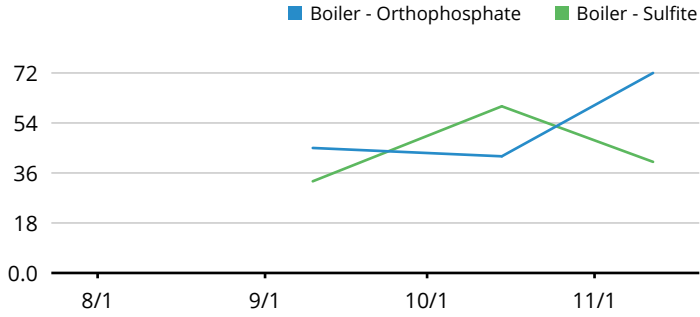
Boiler tested low on conductivity and alkalinity due to the increased blowdown we are doing on the boiler to flush out any remaining calcium phosphate. I changed the conductivity setpoint on the blowdown controller to target 1500 mmhos so that alkalinity levels will get back into range. The hydrate alkalinity is necessary to allow the BL400A (orthophosphate) chemical to work properly.

Condensate

Condensate pH tested low at 7.4. I did not increase the pump as the changed conductivity setpoint means higher cycles of concentration, which will allow more amine to remain in the system and further increase the pH of the condensate.

Trends

Boiler Chemical Levels



Customer Signature

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