



Recommended range: medium-pressure
 high-pressure

Month / Year: _____ / _____

Boiler: Primary Secondary Other

Vessel / IMO: _____ / _____

Boiler maker / Type: _____ / _____

Company: _____

Operating pressure / water capacity _____ / _____

Engineer in charge: _____

Makeup water: Distilled Shore Mix

IMPORTANT: If no measurements are taken, leave the relevant cells blank. Never make up or copy from a previous day!

Day:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31

P-alkalinity: CaCO3 (ppm)	> 250																													Initial dose: MP/HP: 0.2 / 0.02 Mainten. dosage: 0.1 / 0.01 Increase/Decrease dose 25% to stay within recommended range
	150 - 250																													
	100 - 150																													
	50 - 100																													
	5 - 10																													
M-alkalinity	> 2*P-alkalinity																													
	< 2*P-alkalinity																													
Alkalinity Control (ltr / ton)	0.3 - 0.4																													Initial dose: 0.015 Main. dosage 0.015 +/- 25% as per needs Min. daily blowdown when product in use
	0.2 - 0.3																													
	0.1 - 0.2																													
	< 0.1																													
Boiler pH	> 11.0																													
	9.5 - 11.0																													
	8.0 - 9.5																													
	< 8.0																													
Appear- ance	Cloudy																													Initial dose: 0.025 ltr / ton Above range: Increase daily blowdown Keep chlorides as low as possible
	Clear																													
	Coloured																													
Liquid Coagulant (ltr / ton)	0.03 - 0.04																													Initial dose: 0.1 Maint. dosage 0.15 +/- 25% as per needs Min. daily blowdown when product in use
	0.02 - 0.03																													
	0.01 - 0.02																													
	> 0.01																													
Chloride: Cl (ppm)	> 100																													In range: Maintain daily blowdown Above range: Increase daily blowdown Keep chlorides as low as possible
	80 - 100																													
	60 - 80																													
	30 - 60																													
	20 - 30																													
	5 - 20																													
Blow down	Surface																													In range: Maintain daily blowdown Above range: Increase daily blowdown Keep chlorides as low as possible
	Bottom																													
Phosphate: PO4 (ppm)	> 50																													Initial dose: 0.025 ltr / ton 0.025 ltr / ton will decrease oxygen by 1 ppm
	40 - 50																													
	30 - 40																													
	15 - 30																													
	< 15																													
Hardness Control (ltr / ton)	0.6																													Initial dose: 0.1 Mainten. dosage 0.1 Increase/Decrease dose 25% to stay within recommended range
	0.4																													
	0.2																													
	0.1																													
Oxygen Scavenger: DEHA (ppm)	> 0.8																													Initial dose: 0.025 ltr / ton 0.025 ltr / ton will decrease oxygen by 1 ppm
	0.5 - 0.8																													
	0.3 - 0.5																													
	0.1 - 0.3																													
	< 0.1																													
Hydrazide (ltr / ton)	0.08 - 0.11																													Initial dose: 0.2 ltr / ton Daily dosage: 0.04 ltr / ton <75°C: pH 9.5-10.5 >75°C: pH 9.0-9.5
	0.05 - 0.08																													
	0.02 - 0.05																													
	< 0.02																													
Condensate pH	> 10.5																													Never add chemicals directly to the hotwell
	9.5 - 10.5																													
	8.5 - 9.5																													
	7.5 - 8.5																													
	6.5 - 7.5																													
	< 5.5																													
Condensate Treat (ltr / ton)	0.40 - 0.70																													Initial dose: 0.2 ltr / ton Daily dosage: 0.04 ltr / ton <75°C: pH 9.5-10.5 >75°C: pH 9.0-9.5
	0.20 - 0.40																													
	0.10 - 0.20																													
	0.04 - 0.10																													
	< 0.04																													
Hotwell °C	> 95°C																													Initial dose: 0.2 ltr / ton Daily dosage: 0.04 ltr / ton <75°C: pH 9.5-10.5 >75°C: pH 9.0-9.5
	85°C - 95°C																													
	75°C - 85°C																													
	< 75°C																													

Daily (or min. every 2 days) testing is strongly advised!

Remarks: _____
This log is intended for Vecom Marine's COORDINATED PROGRAMME for medium & high-pressure boilers. It is customised for use with Alkalinity Control, Liquid Coagulant, Hardness Control, Hydrazide and Condensate Treat in conjunction with Test Kit Alkalinity P&M, Test Kit Chloride, Test Kit Phosphate, Test Kit Oxygen/Hydrazide DEHA and pH Paper 0-14. All recommended limits are for your consideration. Always follow the boiler manufacturer's instructions first.