# WASTE HEAT BOILER WATER CHEMISTRY WORKSHEET/LOG

BOILER NO. _____ SHIP _____ DATE _____ PAGE _____

| TIME | CODE | CONDUCTIVITY LIMIT: 500 µmho/cm | | ALKALINITY RANGE: 0.05-0.25 EPM | | PHOSPHATE RANGE: 25 - 75 ppm | | CHLORIDE LIMIT: 1.0 epm | | CONTINUOUS INJECTION TANK LEVEL (gallons) | INLET GAS TEMP. (ºF) | OIL KING INITIAL | EOOW/ EDO INITIAL |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | TEMP (ºC) | µmho/cm CONDUC-TIVITY | ml PHENOL-PHTHALEIN | ml/4= epm ALKALINITY | ml METHYE PURPLE | mix25 = ppm PHOSPHATE | ml MERCURIC NITRATE | mix0.4 = epm CHLORIDE | | | | |
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| BATCH CHEMICAL TREATMENT | | | | | |
|---|---|---|---|---|---|
| TIME | TRISODIUM PHOSPHATE (grams) | TSP CORREC-TION FOR PHOSPHATE | CURRENT PHOSPHATE LEVEL | CORRECTED PHOSPHATE | DISODIUM PHOSPHATE (grams) |
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| CONTINUOUS CHEMICAL TREATMENT | | |
|---|---|---|
| TIME | TSP (grams) | DSP (grams) |
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| BLOWDOWN | | | | |
|---|---|---|---|---|
| TIME | TYPE | CONDUCTIVITY | | % BLOW-DOWN |
| | | BEFORE | AFTER | |
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| TOTAL TSP INJECTED | TOTAL DSP INJECTED |
|---|---|
| | |

| PUMP STROKE % |
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| |

| TOTAL PERCENT BLOWDOWN |
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# WASTE HEAT BOILER WATER CHEMISTRY WORKSHEET/LOG

PAGE _____

| TIME | REMARKS: |
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| | STEAMING HOURS | STEAMING HOURS UNDER CONTAMINATION | |
|---|---|---|---|
| | | MODERATE | SERIIOUS |
| PRIOR HOURS STEAMED THIS MONTH | | | |
| HOURS STEAMED TODAY | | | |
| HOURS STEAMED THIS MONTH | | | |
| HOURS SINCE LAST WATERSIDE INSPECTION | | | |
| HOURS SINCE LAST FIRESIDE INSPECTION | | | |
| HOURS SINCE LAST BOTTOM BLOWDOWN | | | |
| HOURS DRY OPERATION TODAY | | | |
| TOTAL HOURS DRY OPERATION | | | |

## LEGEND/TEST CODE

AOL WITHING 30 MIN. AFTER LIGHT OFF
RTE WITHIN 8 HOURS
ADD BATCHCHEMICAL INJECTION
ACA 30 TO 60 MIN AFTER CHEMICAL ADDITION
PTB WITHIN 60 MIN. PRIOR TO BLOWDOWN
ABD 30 TO 60 MIN. AFTER BLOWDOWN
FFT FRESHLEY FILLED AND TREATED
LOF GENERATOR LIGHT OFF (STEAMING)
GEN GENERATOR LIGHT OFF (DRY)
SEC GENERATOR SECURED
D BOILER DRAINED
OTH OTHER
PTS WITHIN 90 MIN. PRIOR TO SECURING

BOILER LAYUP

DRY LAYUP
DES DESICCANT
HTD HEATED AIR

WET LAYUP
STM STEAM (SHIP)
STS STEAM (SHORE)
NIT NITROGEN
DFT HOT DFW FILL
HYD HYDRAZINE
SN SODIUM NITRATE

BLOWDOWNS
S SURFACE/SEPARTOR
B BOTTOM

| LCPO | | MPA | | REVIEWED: (ENGINEER OFFICER) |
|---|---|---|---|---|
| INITIAL | DATE | INITIAL | DATE | |

NAVSEA FORM 9255/07 (Rev.04-2008)(BACK)