| Superseas NAV | REPORT-BOILERS | | | ÷. | DATE OF INSPE | CTION |
|--|---|--|-----------------|--|--|------------------------|
| S/N 0105-LF-004-0000 | | | TYPE OF INS | | 3 NOU. | 22 1000. 1982 |
| a manager was | | | | RNAL & | and the second sec | |
| I. FROM | ASE MAINT. OFFICE | | EXT | ERNAL B | WITH PRESSUR | E TEST C OPERA- |
| 0 | AND I FINITE OFFICE | :R | | different sector | 14. | |
| 2. 10 | AMP LEJEUNE, N. | <u>C</u> | Server 199 | | EXPINIT | E ISSUED YES N |
| Fl | AVFACENGCOM | | | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 | EXPIRES 2 15. BOILER INSPEC | 2 NAU. 1983 |
| i`i | NORFOLK, VA | | | | 1. | |
| and the second s | The second s | | | and the second | Thomas | L'Lania |
| 3. MANUFACTURE | BOILE | R DATA | | | | NATIONAL BOARD NO. |
| VEIL | 14155 - 1 | | | | NAVFA | C 239 |
| A EWA | NEE BOILER S. MFG. SERIAL NO. | R CORF | 2 | | NON POR N | UT ISSUING CERTIFICATE |
| 30 | 637171 | | O. MODEL NO. | and the second | | |
| 3.0 7. BUILDING NO. | 8. YEAR BUILT | p | 1-45 K | - X | | |
| IT-44 | 1982 | Number of the second | | | | |
| 10. FUEL (Check) | 11. PRE | SSURE 2 | 50,000 | 1314/HK | | |
| | DESIGN | or chai | TING TES | т | | |
| 2. FEED WATER TR | OIL GAS 30 | psi 12 | pei | 45 pai | | |
| | | 13. TYPE | | pai | | |
| SATISFAC | TORY UNSATISFACTOR | RY WATER TUBE | TUBE | | | |
| | | 1 | | | | |
| HEATIN COMBUSTION | The second second | 20 | HOINE YU | JELL | | |
| 12 2 | | and the second | | | | |
| 12.7 | * CO ₂ * | EXCESS O2 AF | FTER BOILER | 250 | -F : AFTER HE | AT TRAP |
| | | SAF | ETY DEVICES | | | |
| MANUFACTURER | | | ETY VALVES | | 1.21.5 | |
| WATTS | - | | 22. NUM | BER AND SIZE | 23. PSI SETTING | 24. CONDITION |
| Lail III- | , | | 1- | 3/4 | 30 | NEW |
| MANUFACTURER | | STEAM P | RESSURE G | | | 1000 |
| HRSHAL | L TOWNE | | WATER | | | |
| REASON IF NOT | TESTED | | | LEG CONSTAN | Грві; (| DTHERpsi |
| | | | | Sector States | | and the second |
| | | FIRING | EQUIPMENT | | | |
| ITEM | IN | SERVICE | dente i con est | | ALTERNAT | E |
| MANUFACTURER | PERRANGE | | Sector Sector | | | |
| 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - 1999 - | PEABODY GO | TUON - PI | INTT | 1. 1 A A A A A A A. | Bearles des labertaries Generalis | |
| TYPE | NOZZLE SPA | PAV | | | | |
| | | | | | the second second | |
| FUEL GRADE | #2 | | | | | |
| NSPECTOR'S COM | VENTS | | | | | |
| NEW NOI | IER INSTALLED | UNDER CO | ONTRACT | I N 62 | 470-82-6- | 4571 |
| WILL KETH | AIN SAME PROPER | RTY AS OF | (D Boile | E # 30 | | |
| | and the second se | | | | | |
| TTACHMENT(S) (C | | | IGNATURE | | | |
| COPY OF INS | PECTOR'S REPORT | SPECIAL COMMENTS | | GNBY D | Ilan | |
| | | ORI | 6-6145 21 | | | DIRECTION |
| | | all and the second second | | | 8 | DIRECTION |

1.1

. .

Section .

2

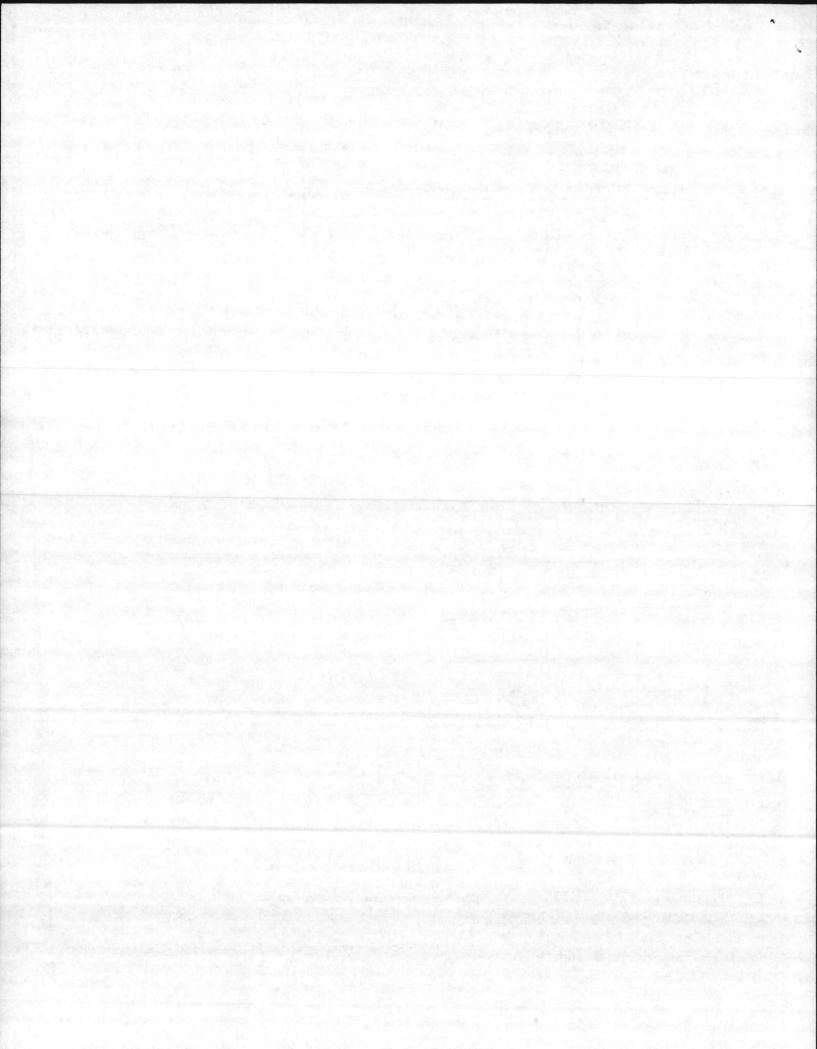
* U. S. GOVERNMENT PRINTING OFFICE: 1978-604-467

- -

1.10

.

.

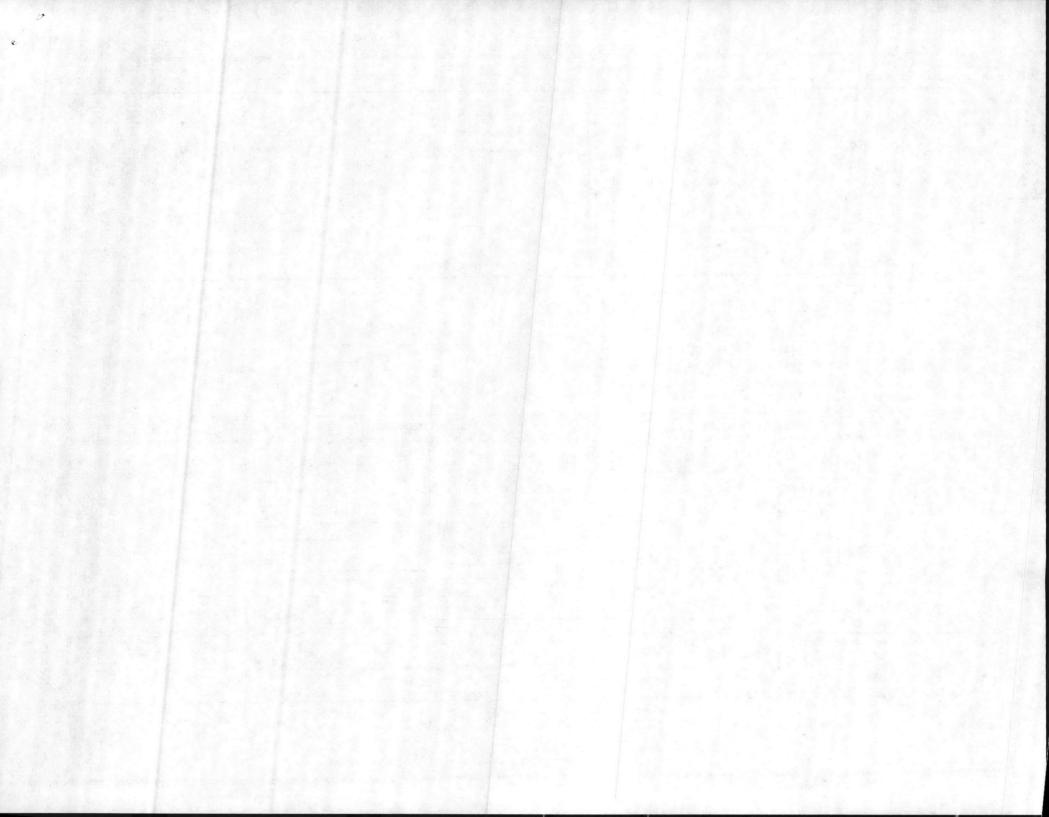


| | | MANUFACTURER | | | DATE OF SHEET | · |
|---|--|--|---|---|--|---|
| 111- | 45 KX | KENIN | EE Ball | CARD | | 10 0.0 |
| FURNACE | VOLUME | OPERATION | · ··· ··· ···························· | USE | DATE BUILT | 1380 |
| OUTLET BOILER | SURFACE (SQ. FT.) | AUTOMATIC SEMI-AUTOMA MANUAL | ATIC | EXPORT ELEC. POWER GENERATION LAID UP - WET LAID UP - DRY | DATE INSTALLED BOILER TYPE | DRAFT |
| ECONOMI | ZER | the second s | | X HEATHNE | | |
| OF DRUMS | | 10 | MAWP | CAPACITY | C.I. WATER TUBE | |
| | FT FT FETED GE WELDED | IN. AIR HEATER | - | HP LBHR EDR 450,000 BTU/HR. | PRODUCES STEAM | |
| | | EQUIPMENT IN SERVICE | | and the second | FIRING EQUIPMENT | |
| ANTHRACITE BITUMINOUS | | the state of the state | | ANTHRACITE COM | SPECIAL | |
| GAS | , | | GAS | NATURAL MANUFACTURED | | |
| COAL - STOKER UNDERFEED - UNDERFEED - | MULTIPLE RETORT SINGLE RETORT | COAL - PULYERIZER ATTRITION BALL & RACE BOWL MILL TUBULAR | | | BALL & RA | I NCE |
| | | | | SPREADER - VIBRATING GRATE SPREADER - TRAVELING GRATE CHAIN GRATE GAS RING | STEAM ATC | MIZED |
| VENTURI TYPE | | ROTARY CUP | | VENTURI TYPE | ROTARY CL | P |
| | COAL - HAND FI GAS NATURAL MATURAL MATURAL MANUFACTURED GAS SPREADER S | FURNACE VOLUME | CU. FT HEATING SURFACE (SQ. FT.) BOULER BOULER <t< td=""><td>CU.FT HEATING SURFACE (SQ.FT.) BOILER BOILER WATER WALL CONNIZER SUPERHEATER OF DRUMS NO. DIAMETER INRE OF DRUMS NO. DIAMETER INRE OF DRUMS NO. DIAMETER INN. INNONE TUBULAR RIVETED FORGE WELDED FUEL & FIRING EQUIPMENT IN SERVICE COAL OIL ANTHRACITE BITUMINOUS DIAMETED COAL - AND FIRED COAL - AND FIRED COAL - AND FIRED COAL - AND FIRED COAL - STOKER UNDERFEED - MULTIPLE RETORT BALL & RACE BOWL MILL UNDERFEED - SINGLE RETORT SPREADER - UNB GRATE SPREADER - VIDRATING GRATE SPREADER - VIDRATING GRATE GAS <td>FURNACE VOLUME OPERATION USE COL. FT HEATING SURFACE (SQ. FT.) AUTOMATIC BOILER COL SEMI-AUTOMATIC WATER WALL PRESSURE (psig) SUPERHEATER SUPERHEATER OF DRUMS, NO. SUPERHEATER DIAMETER IN. REE OPESIGN MARP AIR HEATER Insert IN. PRESSURE (psig) SO SUPERHEATER IN. DIAMETER IN. RECONONIZER SO SUPERHEATER IN. DIAMETER IN. RECONSTRATIVE PRESSURE (psig) SO MARP CAPACITY CAPACITY NO. IN. RIVETED NONE FUEL & FIRING EQUIPMENT IN SERVICE ALTERNATE FUEL & COAL OIL OAL OIL OAL OIL OAL OAL OAL SEMINONS OAL ALTERNATE FUEL & COAL MUNUFACTURED OAL ALTERNATE FUEL & COAL MUNUFACTURED OAL SEMINONS OAL STRIAD <td< td=""><td>CUL FT AUTOMATIC BOILER CUL FT CONTONIZER CUL FT CONTONIZER CONTONIZER DIAGTER FT DIAGTER FT Inner FT</td></td<></td></td></t<> | CU.FT HEATING SURFACE (SQ.FT.) BOILER BOILER WATER WALL CONNIZER SUPERHEATER OF DRUMS NO. DIAMETER INRE OF DRUMS NO. DIAMETER INRE OF DRUMS NO. DIAMETER INN. INNONE TUBULAR RIVETED FORGE WELDED FUEL & FIRING EQUIPMENT IN SERVICE COAL OIL ANTHRACITE BITUMINOUS DIAMETED COAL - AND FIRED COAL - AND FIRED COAL - AND FIRED COAL - AND FIRED COAL - STOKER UNDERFEED - MULTIPLE RETORT BALL & RACE BOWL MILL UNDERFEED - SINGLE RETORT SPREADER - UNB GRATE SPREADER - VIDRATING GRATE SPREADER - VIDRATING GRATE GAS <td>FURNACE VOLUME OPERATION USE COL. FT HEATING SURFACE (SQ. FT.) AUTOMATIC BOILER COL SEMI-AUTOMATIC WATER WALL PRESSURE (psig) SUPERHEATER SUPERHEATER OF DRUMS, NO. SUPERHEATER DIAMETER IN. REE OPESIGN MARP AIR HEATER Insert IN. PRESSURE (psig) SO SUPERHEATER IN. DIAMETER IN. RECONONIZER SO SUPERHEATER IN. DIAMETER IN. RECONSTRATIVE PRESSURE (psig) SO MARP CAPACITY CAPACITY NO. IN. RIVETED NONE FUEL & FIRING EQUIPMENT IN SERVICE ALTERNATE FUEL & COAL OIL OAL OIL OAL OIL OAL OAL OAL SEMINONS OAL ALTERNATE FUEL & COAL MUNUFACTURED OAL ALTERNATE FUEL & COAL MUNUFACTURED OAL SEMINONS OAL STRIAD <td< td=""><td>CUL FT AUTOMATIC BOILER CUL FT CONTONIZER CUL FT CONTONIZER CONTONIZER DIAGTER FT DIAGTER FT Inner FT</td></td<></td> | FURNACE VOLUME OPERATION USE COL. FT HEATING SURFACE (SQ. FT.) AUTOMATIC BOILER COL SEMI-AUTOMATIC WATER WALL PRESSURE (psig) SUPERHEATER SUPERHEATER OF DRUMS, NO. SUPERHEATER DIAMETER IN. REE OPESIGN MARP AIR HEATER Insert IN. PRESSURE (psig) SO SUPERHEATER IN. DIAMETER IN. RECONONIZER SO SUPERHEATER IN. DIAMETER IN. RECONSTRATIVE PRESSURE (psig) SO MARP CAPACITY CAPACITY NO. IN. RIVETED NONE FUEL & FIRING EQUIPMENT IN SERVICE ALTERNATE FUEL & COAL OIL OAL OIL OAL OIL OAL OAL OAL SEMINONS OAL ALTERNATE FUEL & COAL MUNUFACTURED OAL ALTERNATE FUEL & COAL MUNUFACTURED OAL SEMINONS OAL STRIAD <td< td=""><td>CUL FT AUTOMATIC BOILER CUL FT CONTONIZER CUL FT CONTONIZER CONTONIZER DIAGTER FT DIAGTER FT Inner FT</td></td<> | CUL FT AUTOMATIC BOILER CUL FT CONTONIZER CUL FT CONTONIZER CONTONIZER DIAGTER FT DIAGTER FT Inner FT |

358.58

DATA RECORD SHEET - BOILERS NAVFAC 9-11014/40 (9-69) Supersedes NAVDOCKS 2509

3-

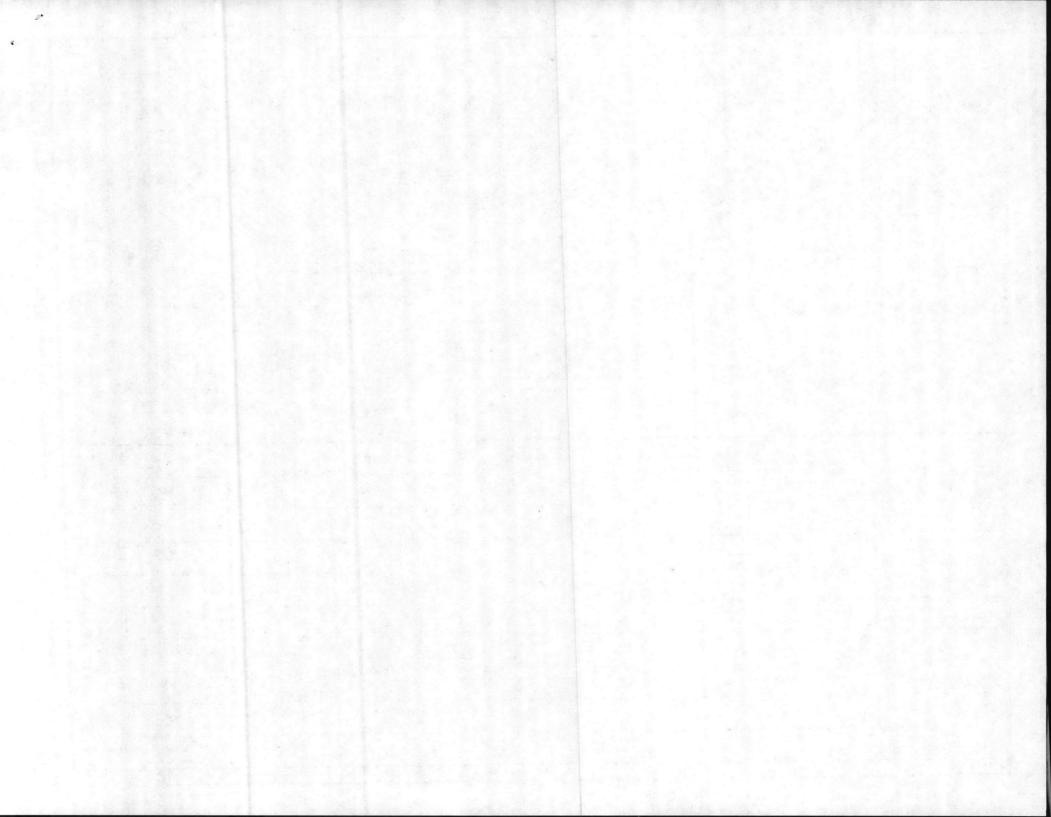


| FITTING | NUMBER | SIZE | MANUFACTURER | TYPE | SETTING | RANGE | |
|---------------------|--|----------------|----------------------------|-------|-----------|------------------|-----------------|
| SAFETY VALVES | 1 | 3/4 | NHTTS | | 30 | RANGE | PRESSURE CLASS |
| STEAM OUTLET VALVES | 1.4 | | | | | | |
| BLOW-OFF VALVES | | | | | - States | | |
| FEEDWATER VALVES | | | | | | | |
| WATER COLUMN | | | | | | 1.1.1 | |
| FEEDWATER REGULATOR | 1 | 1/2 | 7.000 | 334-1 | 12 | 30 | |
| WATER GAGES | 1 | | MARSHALL TOWNE | 1 | | 60°-260° 0-60 | TEAR. WATER. |
| STEAM GAGES | and a second sec | 1. 1. 1. 1. 1. | | | | | |
| SOOT BLOWERS | | | and the first state of the | | The state | | |
| FUSIBLE PLUGS | | | | | | | |

L W CO - MC DONNELL NO. 64 B 512E /" SMFETY UNIVE - 1 - 34 WATTS, SET- 30 PEIG - 510,000 BT4/HR # 330

WAYFAC 9-11014/40 (9-69) (BACK)

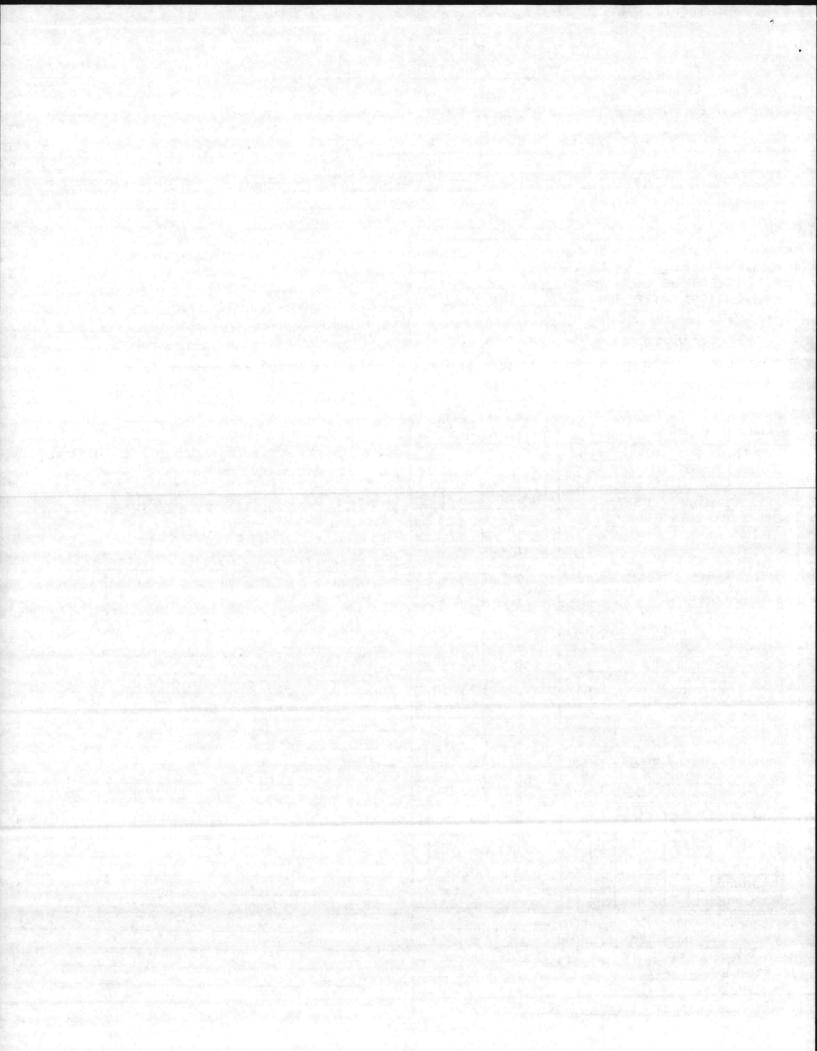
ाने संबद्धी



| REQ | UEST FO | DR STA | ART-UP OR SERVICE |
|---|---|---|--|
| Origin of Call: Came is it | 1 | 11. 77 | 0 10 Date: 11/22/20 |
| Request for Service P. O. # | | tob Loc | ation: <u>Terrenne</u> = 11/22/202 |
| BOILER/HEATER Mfr. | a | Model N | 0 Type |
| Bated Input MBH 4 | 1.00 GPH | # 42 | Oil @'' W.C. Overfire |
| BURNER Model No. R! 4.1.0- | | | |
| MI. No | | | S.O. No 170492 |
| Appointment Date: 11/22/02 V | with Whom | The | S.O. No. 70400 Phone No. 919-455-3555 |
| Copies To: <u>Jon Lanier</u> | vien vinonn | 0.00000 | |
| Lob Name: | | Invoid | ce To: |
| Job Name: | 5 | 1110 010 | |
| STACK Height Size | | | SAFETY CONTROL CHECK |
| BREECHING SizeLength | 1#E | ls | |
| UNIT OUTLET DAMPER -% Open _ BAROMETRIC DAMPER Size _6 | 1/ Mfr | Darnet | 1. Lo-Water Cut-Off |
| SEQUENCE DAMPER CONTROL: | WIII _ | <u>-: //.t.</u> | 2. Second Lo-Water Cut-Off |
| Mfr Mode | 1 | nt al constantino Frén de la Straction | 3. Limit Control V Setting 190° |
| COMBUSTION AIR INLET Size | 2.2 | | 4. Operating Control Setting 1800 |
| OIL TANK: Above Burner | Belo | w Burner | 5. Firing Rate Control Setting |
| Distance from Tank 40' Ve | ertical Lift | | 6. Pilot Turn Down Test |
| Suction Line Size | _ [] Pipe | Tubing | |
| | GAS | OIL | 8. Low Gas Pressure Switch Setting |
| BURNER READINGS | LO HI | LO HI | |
| INPUT: MBH/GPH | | 2.95 | |
| FUEL PRESSURE: | | -742# 100% | 11. Low Air Atomizing Pressure Switch |
| Orifices-"WC/Nozzle-PSIG Oil Return/Air-PSIG | | 2001 | Setting |
| OIL TEMPERATURE-°F: | | 100 | 12. Low Oil Temp. Switch Setting |
| Inlet | | | TIME INCURRED |
| Outlet | | | 요즘 요즘 같은 것은 것이 가지 않는 것이 가지 않는 것이 없는 것이 없는 것이 없다. |
| PUMP DATA: | | | Hrs on Job + Hrs Trvld X No. Persons = Total Hrs |
| Vacuum-"Hg | · · · · | · | |
| Discharge-PSIG | | Boot | |
| COMBUSTION TESTS: | | 12.7 | INSTRUCTIONS TO SERVICEMAN |
| $O_2 - \frac{10}{2}$ | | | |
| CO-%/Smoke No. | | 2 | |
| DRAFT: | | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 | |
| Overfire-"WC | · | .14 | |
| Outlet-"WC Temp. ^o F Room <u>45</u> Outlet | | | |
| Air Inlet Louver-"Open | | 1/4 | |
| Primary Air Adjustment Pos. | | | |
| Drawer Position, | | | |
| Flame Signal-MA/DC | | | |
| Motor Data @ Hi-Fire | A Standard Sectors | a free dad | |
| L1 L2 L3 | ALL SA | SETY | |
| VAVAVA | CONTRO | | |
| Blower /15 | BETE | | |
| Oil Pump | a de la companya de l | | |
| Air Comp | | | |
| REMARKS | | | |
| INST. MANUAL REC'D BY | | | |
| STARTUP BY Line Land | | | |
| APPROVED BY | | | |
| DATE | | • | |

.

FORM 1211B



| INSPECTION REPORT-BOILERS NAVFAC 9-11014/41 (3/67) Supersede NAVDOCKS 2544 | | DATE OF INSPECTION 25 NOV, 1981 | | |
|--|--------------------------|--|--|--|
| S/N 0105-LF-004-0000 | TYPE OF INSPECTION | NR | | |
| | A INTERNAL & B | WITH PRESSURE TEST C TIONA | | |
| I. FROM BASE MAINT. OFFICER | | 14. | | |
| CAMP LEJEUNE, N. C. | | EXPIRES 25 NUL. 1982 | | |
| 2. TO NAVFACENGCOM | and the second second | 15. BOILER INSPECTOR | | |
| NORFOLK, VA. | | A J. | | |
| F RUNFULN, VA | | Thomas & Lance | | |
| BOILER DATA | | NAVY OR NATIONAL BOARD NO. | | |
| 3. MANUFACTURER | | 16. REASON FOR NOT ISSUING CERTIFICATE | | |
| SPENCER | | | | |
| 4. PROPERTY NO. 5. MFG. SERIAL NO. | 6. MFG. MODEL NO. | - Andrew Andrew Andrew | | |
| 30 5043 | C-180 | | | |
| 7. BUILDING NO. B. YEAR BUILT | 9. CAPACITY | | | |
| TT-44 1950 | 432,000 BT4/HR | and the second | | |
| 10. FUEL (Check) 11. PRESSURE DESIGNED | OPERATING TEST | | | |
| | 1 11 145 | | | |
| COAL X OIL GAS 30 PH | TYPE psi ps | <u>1</u> | | |
| SATISFACTORY UNSATISFACTORY | | | | |
| and the second | | | | |
| | | | | |
| | | | | |
| | | | | |
| 17. BOILER USE | 18. COMBUSTION CONTROL (| M/g. Name) | | |
| HEATING | | | | |
| A COMPLETION | 20 FULLE CAR TEMPEDITURE | | | |

| | LU. FLUE GAS TEMPERATURE | | | |
|------------------------------|--------------------------------------|-----------------|-------------------------|------------|
| 515 x CO2 X E | XCESS 02 AFTER BOILER 400 | F : AFTER HEA | T TRAP | <u>•</u> F |
| | SAFETY DEVICES | | | |
| | SAFETY VALVES | | | |
| 21. MANUFACTURER WHTTS | 22. NUMBER AND SIZE 1-114 | 23. PSI SETTING | 24. CONDITION | |
| | STEAM PRESSURE GAUGE | - VE WWW. See | Art Root No Subberge St | |
| 25. MANUFACTURER MSME STA | 26. CORRECTIONS WATER LEG CONSTAL | NTpsi; C | THER psi | |

27. REASON IF NOT TESTED

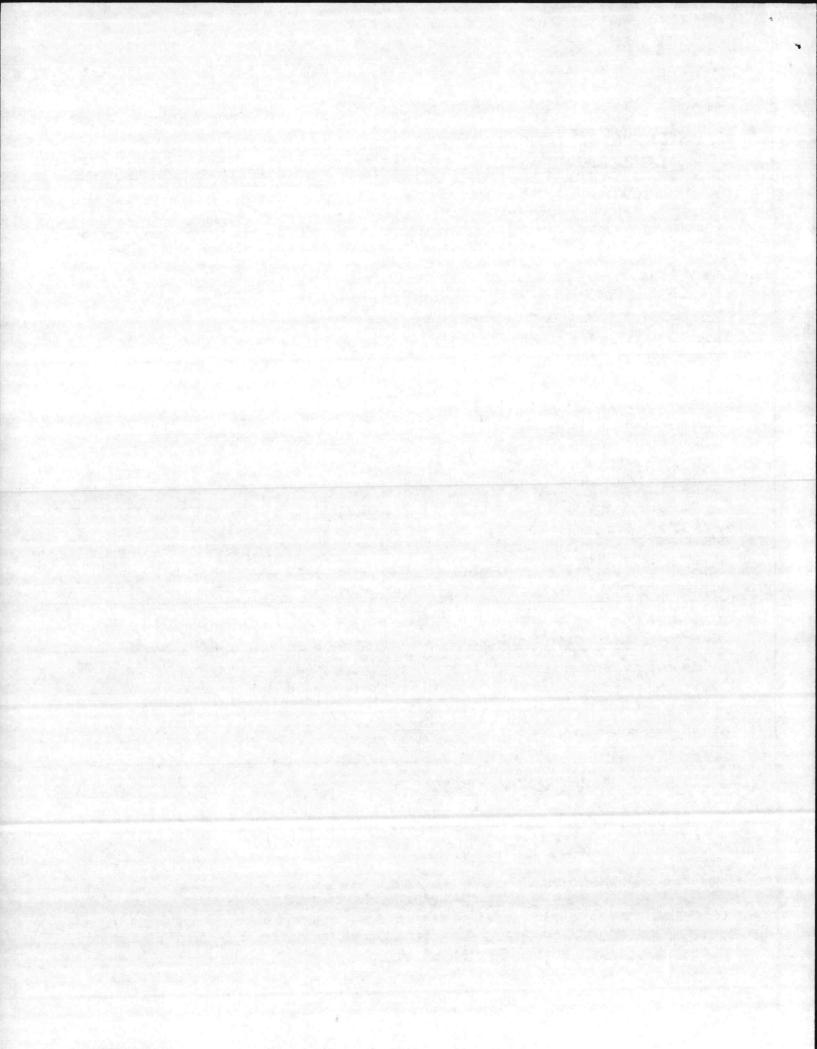
1

2 2

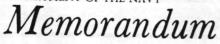
| | Fi | RING EQUIPMENT | |
|---|--------------------------|----------------|-----------|
| ITEM | IN SERVICE | | ALTERNATE |
| 8. MANUFACTURER | AMERICAN STD | | |
| 9. TYPE | NOZZIE | | |
| O. FUEL GRADE | #2 | | |
| D REPAIR D INSTAIN 2. ATTACHMENTISI (| Check) | 33. SIGNATURE | |
| | SPECTOR'S REPORT SPECIAL | R.M. Klillon | |

I

1.6



OPNAV 5216/144 (REV. 6-70) 5/N-0107-778-8099 DEPARTMENT OF THE NAVY



MAIN/TH/spk DATE: 11370 DATE: 30 October 1980

FROM Director, Utilities

Director, Operations Division (Attn: F. Cone)

SUBJ Replacement of No. 30 Boiler, Building TT-44

1. The subject boiler is in poor condition, and combustion efficiency is low. The boiler inspector has recommended that the unit be replaced. Accordingly, it is requested that a project be developed to replace the boiler.

7. H.H. T. HATCHER, P.E.

