**TASK GROUP INSTRUCTION**
**AIM REV 20.11.4.0 (OCTOBER 2020)**

| TGI NO.: | COMPONENT NAME: | TYPE: | PHASE: | REPEAT: | CHANGE: |
|---|---|---|---|---|---|
| | 1B BLR SAF V & PNL | AY | A | 0 | 0 |

| SHIP/HULL NO.: | SHIP/HULL NAME: | SYSTEM: | PROJ/WO NO: | CASREP CAT: |
|---|---|---|---|---|
| LCC-19 | USS BLUE RIDGE | | 19P | |

CU PHASE TITLE:
*(K2-1) - F/O – REMOVE AND INSTALL 1B BOILER SAFETY VALVES AND PILOT PANELS

PREPARING ACTIVITY:

| | CODE | PHONE | DATE |
|---|---|---|---|
| PREPARED BY: KOUHEI SUZUKI | 232. | 315-243-2490 | 22-FEB-2025 |
| APPROVED BY: HIDEMI SENDA | 232. | 315-243-5615 | 22-FEB-2025 |
| CONCURRED BY: | | | |
| CONCURRED BY: | | | |
| CONCURRED BY: | | | |
| CONCURRED BY: | | | |

REASON FOR WORK/NEED FOR CHANGE:

CHANGE INSTRUCTIONS:

SPECIAL REQUIREMENTS:

CLEANLINESS FOR PIPING SYSTEM/EQUIPMENT LEVEL II

MIC-L-1

**WORK CERTIFICATION SIGNATURES**

| COMPLETION OF WORK REVIEW: | BADGE NO.: | SHOP/CODE: | PHONE: | DATE: |
|---|---|---|---|---|
| | | | | |

**ACCEPTANCE OF COMPLETED WORK**

| PHYSICAL INSPECTION REQUIRED: ☐YES ☒NO | PHYSICAL INSPECTION COMPLETED: | BADGE NO.: | SHOP/CODE: | PHONE: | DATE: |
|---|---|---|---|---|---|
| RECORDS REVIEW: | | BADGE NO.: | SHOP/CODE: | PHONE: | DATE: |



FOUO: Public availability to be determined under 5 USC 552

*38 19P221 15A10*

| LIST OF EFFECTIVE PAGES | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| SHT NO. | CHG NO. | SHT NO. | CHG NO. | SHT NO. | CHG NO. | SHT NO. | CHG NO. | SHT NO. | CHG NO. |
| 1-4 | | QA34A (1) | | | | | | | |
| J-1 | | | | | | | | | |
| M 1-5 | | | | | | | | | |
| Map (1) | | | | | | | | | |

1. **SCOPE/PURPOSE**

1.1 Title: 1B Boiler Safety Valves and Pilot Panels: remove and install

1.2 Location of Work:

1.2.1 Fire Room (8-76-0-E)

1.3 Identification:

1.3.1 Quantity (One EA), 1B Boiler High Drum Safety Valve and Pilot Panel Assembly
Mfr: Greno Industries Inc.
Specification: MIL-V-24740

1.3.1.1 Quantity (One EA), Safety Valve
Specification: MIL-V-24740, Class I, Style 57
Mfr Id: 6350-357
Size: Inlet 2-1/2-Inch IPS, Outlet 3-1/2-Inch IPS
APL: 88A150412
Item No: V-1 of 2.3.

1.3.1.2 Quantity (One EA), Pilot Panel
Model: 8000
APL: 501550030
Item No: PC-1 of 2.3.

1.3.2 Quantity (One EA), 1B Boiler Low Drum Safety Valve and Pilot Panel Assembly
Mfr: Greno Industries Inc.
Specification: MIL-V-24740

1.3.2.1 Quantity (One EA), Safety Valve
Specification: MIL-V-24740, Class I, Style 57
Mfr Id: 6350-357
Size: Inlet 2-1/2-Inch IPS, Outlet 3-1/2-Inch IPS
APL: 88A150412
Item No: V-2 of 2.4.

1.3.2.2 Quantity (One EA), Pilot Panel
Model: 8000
APL: 501550030
Item No: F-100 of 2.4.

1.3.3 Quantity (One EA), 1B Boiler Superheater Safety Valve and Pilot Panel Assembly
Mfr: Greno Industries Inc.
Specification: MIL-V-24740

1.3.3.1 Quantity (One EA), Safety Valve
Specification: MIL-V-24740, Class I, Style 23

Mfr Id: 6350-323
Size: Inlet 2-1/2-Inch IPS, Outlet 3-1/2-Inch IPS
APL: 88A150412
Item No: V-1 of 2.4.

1.3.3.2 Quantity (One EA), Pilot Panel
Model: 8000
APL: 501550030
Item No: F-100 of 2.4.

1.3.3.3 Quantity (8 EA), Safety Valve Inlet Side Stud Bolt (MIC-L-I)
Material: Alloy Steel, Grade B16 or Equal.
Size: 3/4”-10UNC-2A, 5-1/2 Inch LG

1.3.3.4 Quantity (16 EA), Safety Valve Inlet Side Heavy Hex Nut (MIC-L-I)
Material: Alloy Steel, Grade B7 or Equal.
Size: 3/4"-10UNC-2B

1.4 Security Classification: None.

1.5 Initial Condition: None.

1.6 Contractor work start date: 7/21/2026

1.7 Contractor work completion date: 11/21/2027

## 2. REFERENCES:

| REF. NO. | DOCUMENT /DRAWING NUMBER | DOCUMENT/DRAWING TITLE | REV | CHG NO. | COPY REQ'D (Y/N) | SOURCE DOC (Y/N) | PARA | SEC | PG | CHP |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | NSI FY-25 | NAVSEA Standard Items | - | ORG | N | | | | | |
| 2 | LI FY-25 | Local Standard Items | - | ORG | N | | | | | |
| 3 | DWG 200-8337506 | INSTALLATION GIS SYSTEM HIGH DRUM SAFETY VALVE | A | | Y | | | | AL L | |
| 4 | DWG 200-6577980 | S/A 1371 LCC-19 SUPHTR/LOW DRUM SAFE V REPL AND ASSOC PP INSTL | B | | Y | | | | AL L | |
| 5 | TM S6435-Q1-MMO-010 | Remote Operated Pilot Sdafety Valve System for 600 PSI Boilers | 6 | | N | | | | | |

## 3. APPENDICES:

3.1. Appendix “J” TGI Job Summary Information Sheet
3.2. Appendix "M" TGI Material List
3.3. Appendix “D” Deficiency Form

## 4. GENERAL REQUIREMENTS:

4.1. Not Applicable.

## 5. PROCEDURE:

5.1 Accomplish the requirements of 009-27 of 2.1.

5.1.1 Accomplish the requirements of 009-09 of 2.1.

5.2 Remove each equipment listed in 1.3.1 through 1.3.4, using 2.3 through 2.5 and Enclosure-01 for guidance.

5.3 Install each equipment listed in 1.3.1 through 1.3.4, using 2.3 through 2.5 and Enclosure-01 for guidance.

5.3.1 Restore each mating surface exposed by each equipment removal. Repair by removing each high spot, burr, abrasion, and foreign matter, where removal can be accomplished by hand tool.

5.3.2 Remove existing and install each new steam piping joint gasket, conforming to MIL-G-24716.

5.3.3 Document joint/component record of FJ-1 on QA Form 34A, Enclosure-02.

5.4 Accomplish the requirements of 009-32 of 2.1 for each new and disturbed surface.

5.5 Notes:

5.5.1 Planner: Code 232 K. Suzuki, 243-2490

5.5.2 Work Integration Manager (WIM): Code 333 T. Yaginuma, 080-5419-0598

5.5.3 This TGI is response to Boiler Inspection and Repair Management Information System (BIRMIS) for 1B Boiler report dated 17 OCT 2024, Line item “K2-1”.

5.5.4 Each equipment will be overhaul by Original Equipment Manufacturing (OEM). Notify Business Agent (BA) to coordinate the shipment and deliver each removed equipment listed in 1.3.1 through 1.3.3 to A61. OEM TGI number is 3819P22115 A12. Procedure 5.3 may be performed after completion of TGI No. 3819P22115 A12.

5.5.5 JCN EM02-L192 is related to this TGI.

5.6 Government Furnished Material (GFM):

5.6.1 SRF-JRMC will provide GFM listed in the Material List.

5.7 SRF-JRMC will provide the following service work: (TGI No. 3819P22115S11)

5.7.1 [C740] Crane and crane rigging service.

5.7.2 [X99E] Utilities service, electrical.

5.7.3 [X99M] Utilities service, including low pressure air supply, water supply, and steam supply.

5.7.4 [C106.1] Safety inspection for SRF-JRMC employees.

5.7.5 [C106.2] Gas free inspection for SRF-JRMC employees.

5.7.6 [C133] QA Inspection for (G) symbol(s).

# APPENDIX "J"
# TGI JOB SUMMARY INFORMATION SHEET

| SYSTEM: | PLANT NO.: | COMPONENT NAME: | TYPE: | PHASE: | REPEAT: | CU PH VERSION: | CASREP CAT: |
|---|---|---|---|---|---|---|---|
| | | 1B BLR SAF V & PNL | AY | A | 0 | 0 | |

CU PHASE TITLE:
***(K2-1) - F/O – REMOVE AND INSTALL 1B BOILER SAFETY VALVES AND PILOT PANELS**

PRIMARY COMPONENT:

COMPONENT UNIT LIST (FOR ASSEMBLIES):
**1B BLR SPHTR STY VLV PA 1B BLR HD SFTY VLV PA 1B BLR LD SFTY VLV PA 1B SPHTR SFTY PLT V- 1B LO DRUM SFTY PLT V- 1B HI DRUM SFTY PLT V-**

ATTACHMENT LIST:
1. **ENCLOSURE-01 (3819P22115A10-MAP.docx) saved on 21-FEB-2025 0000.**
2. **ENCLOSURE-02 (3819P22115A10-QA34A.docx) saved on 21-FEB-2025 0000.**

| ZONE MANAGER: | ZONE: | COMPARTMENT: | LEVEL: | FRAME: | SIDE: |
|---|---|---|---|---|---|
| KANKE ,KOUHEI | | | | | |

| JO: | KO: | TOTAL MAN HRS: | TOTAL MAT'L COST | TOTAL DURATION: | PLANNING ACCEPTANCE: |
|---|---|---|---|---|---|
| 3819P22115 | A10 | | | | |

CU PHASE DESCRIPTION:
**The purpose of this TGI is to remove and install 1B boiler each safety valve and pilot panel.**

**Location of Work:**
**Fire Room (8-76-0-E)**

| TASK NAME | SHOP | TSD/WC | TS | CREW# | MHRS | HIGH RAD HOURS | RC GRID# |
|---|---|---|---|---|---|---|---|
| 5.1 OMCH: HRs, QA HRs | 22 | KE | PC | | | | |
| 5.2 OMCH: HRs, RGRS HRs | 22 | KE | PC | | | | |
| 5.3 OMCH: HRs, RGRS HRs, QA HRs | 22 | KE | PC | | | | |
| 5.4 PNTR: HRs, QA: HRs | 22 | KE | PC | | | | |
| Machinery Work CFM for paint and misc such as plastic sheets/bags and other consumable. | 22 | MQ | CS | | | | |
| Process Funding Document. | 10 | CT | OM | | | | |



| TGI NO.: | 1B BLR SAF V & PNL | AY | A | 0 |
|---|---|---|---|---|
| SHIP: | LCC-19 | CHG/VER: | | 0/0 |

# APPENDIX "M"
# TGI MATERIAL LIST

| SYSTEM: | PLANT NO.: | COMPONENT NAME: | TYPE: | PHASE: | REPEAT: | CU PH VERSION: | CASREP CAT: |
|---|---|---|---|---|---|---|---|
| | | 1B BLR SAF V & PNL | AY | A | 0 | 0 | |

CU PHASE TITLE:
***(K2-1) - F/O – REMOVE AND INSTALL 1B BOILER SAFETY VALVES AND PILOT PANELS**

## MATERIAL REFERENCES

| REF NO. | DOCUMENT/DRAWING NUMBER | DOCUMENT/DRAWING TITLE | REV |
|---|---|---|---|

| JOB ORDER: | KEY OP: |
|---|---|
| 3819P22115 | A10 |

## MATERIAL LIST

| ITEM NO. | PC NO. | REF NO. | M / C | DESCRIPTION | STOCK NUMBER | GENERIC MATL TYPE | LVL | QA | HAZ MAT | DOC NO. | QTY REQD/ UNIT | QTY USED/ UNIT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 001 | | | M | GASKET, ORIG: C232 K. SUZUKI 243-2490 ORDERED FOR KTR<br><br>T/M: S6435-Q1-MMO-010, FIG.A-1-2 | 9B 5330 012886619 | | NA | 4 | N | 50495146 | 9/EA | |
| 002 | | | M | BOLT, BOLT, M18 X 2.5 X 80 MM, MATERIAL CARBON STEEL, ASTM-A-36, FOR PILOT PANEL ASSEMBLY, T/M: S6435-Q1-MMO-010, FIG.A-1-49<br><br>ORIG: C232 K. SUZUKI 243-2490 ORDERED FOR KTR | 9B 5306 LL9303489 | | NA | 4 | N | 50517465 | 12/EA | |
| 003 | | | M | NUT, NUT, M18 X 2.5, MATERIAL CARBON STEEL, ASTM-A-36 FOR PILOT PANEL ASSEMBLY, T/M: S6435-Q1-MMO-010, FIG.A-1-50<br><br>ORIG: C232 K. SUZUKI 243-2490 ORDERED FOR KTR | 9B 5310 LL9303490 | | NA | 4 | N | 50517469 | 12/EA | |

NOTES:



| TGI NO.: | 1B BLR SAF V & PNL | AY | A | 0 |
|---|---|---|---|---|
| SHIP: | LCC-19 | CHG/VER: | | 0/0 |

# MATERIAL LIST

| ITEM NO. | PC NO. | REF NO. | M / C | DESCRIPTION | STOCK NUMBER | GENERIC MATL TYPE | LVL | QA | HAZ MAT | DOC NO. | QTY REQD/ UNIT | QTY USED/ UNIT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 004 | | | M | LOCK WASHER, LOCK WASHER, M18, MATERIAL: CARBON STEEL, ASTM-A-36, FOR PILOT PANEL ASSEMBLY, T/M: S6435-Q1-MMO-010, FIG.A-1-51<br><br>ORIG: C232 K. SUZUKI 243-2490<br>ORDERED FOR KTR | 9B 5310 LL9303491 | | NA | 4 | N | 50517478 | 12/EA | |
| 005 | | | M | WASHER,FLAT, WASHER, FLAT, M18, MATERIAL CARBON STEEL, ASTM-A-36, FOR PILOT PANEL ASSEMBLY, T/M: S6435-Q1-MMO-010, FIG.A-1-52<br><br>ORIG: C232 K. SUZUKI 243-2490<br>ORDERED FOR KTR | 9B 5310 LL9303492 | | NA | 4 | N | 50517483 | 12/EA | |
| 006 | | | M | GASKET,SPIRAL WOUND, ORIG: C232 K. SUZUKI 243-2490<br>ORDERED FOR KTR<br><br>FOR LOW DRUM VALVE OUTLET FLANGE SPIRAL GASKET | 9B 5330 013387810 | | NA | 4 | N | 50495148 | 1/EA | |
| 007 | | | M | GASKET,S, ORIG: C232 K. SUZUKI 243-2490<br>ORDERED FOR KTR<br><br>FOR LOW DRUM VALVE INLET FLANGE SPIRAL GASKET | 9B 5330 013387888 | | NA | 4 | N | 50495201 | 1/EA | |
| 008 | | | M | STUD,CONTINUOUS THR, ORIG: C232 K. SUZUKI 243-2490<br>ORDERED FOR KTR<br><br>FOR LOW DRUM VALVE OUTLET FLANGE BOLT | 9B 5307 006853458 | | NA | 4 | N | 50495149 | 8/EA | |
| 009 | | | M | STUD,CON, ORIG: C232 K. SUZUKI 243-2490<br>ORDERED FOR KTR<br><br>FOR LOW DRUM VALVE INLET FLANGE BOLT | 9B 5307 006376493 | | NA | 4 | N | 50495202 | 8/EA | |
| 010 | | | M | NUT,PLAI, ORIG: C232 K. SUZUKI 243-2490<br>ORDERED FOR KTR<br><br>FOR LOW DRUM VALVE OUTLET FLANGE NUT | 9B 5310 006373631 | | NA | 4 | N | 50495204 | 16/EA | |
| 011 | | | M | NUT,PLAIN,HEXAGON, ORIG: C232 K. SUZUKI 243-2490<br>ORDERED FOR KTR<br><br>FOR LOW DRUM VALVE INLET FLANGE BOLT | 9B 5310 008405873 | | NA | 4 | N | 50505173 | 16/EA | |
| 011 | | | M | NUT,PLAIN,HEXAGON, ORIG: C232 K. SUZUKI 243-2490<br>ORDERED FOR KTR<br><br>FOR LOW DRUM VALVE INLET FLANGE BOLT | 9B 5310 008405873 | | NA | 4 | N | 50495139 | 16/EA | |

# MATERIAL LIST

| ITEM NO. | PC NO. | REF NO. | M / C | DESCRIPTION | STOCK NUMBER | GENERIC MATL TYPE | LVL | QA | HAZ MAT | DOC NO. | QTY REQD/ UNIT | QTY USED/ UNIT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 012 | | | M | GASKET,S, ORIG: C232 K. SUZUKI 243-2490<br>ORDERED FOR KTR<br><br>FOR LOW DRUM VALVE UPPER AND LOWER ACTUATION FLANGE GASKET | 9B 5330 013387816 | | NA | 4 | N | 50495205 | 2/EA | |
| 013 | | | M | STUD,CONTINUOUS THR, ORIG: C232 K. SUZUKI 243-2490<br>ORDERED FOR KTR<br><br>FOR LOW DRUM VALVE UPPER AND LOWER ACTUATION FLANGE BOLT | 9B 5307 006376465 | | NA | 4 | N | 50495150 | 8/EA | |
| 014 | | | M | NUT,PLAI, ORIG: C232 K. SUZUKI 243-2490<br>ORDERED FOR KTR<br><br>FOR LOW DRUM VALVE UPPER AND LOWER ACTUATION FLANGE NUT | 9B 5310 006373628 | | NA | 4 | N | 50495207 | 16/EA | |
| 015 | | | M | GASKET,SPIRAL WOUND, ORIG: C232 K. SUZUKI 243-2490<br>ORDERED FOR KTR<br><br>FOR HIGH DRUM VALVE OUTLET FLANGE SPIRAL GASKET | 9B 5330 013387810 | | NA | 4 | N | 50495151 | 1/EA | |
| 016 | | | M | GASKET,S, ORIG: C232 K. SUZUKI 243-2490<br>ORDERED FOR KTR<br><br>FOR HIGH DRUM VALVE INLET FLANGE SPIRAL GASKET | 9B 5330 013387888 | | NA | 4 | N | 50495208 | 1/EA | |
| 017 | | | M | STUD,CONTINUOUS THR, ORIG: C232 K. SUZUKI 243-2490<br>ORDERED FOR KTR<br><br>FOR HIGH DRUM VALVE OUTLET FLANGE BOLT | 9B 5307 006853458 | | NA | 4 | N | 50495152 | 8/EA | |
| 018 | | | M | STUD,CON, ORIG: C232 K. SUZUKI 243-2490<br>ORDERED FOR KTR<br><br>FOR HIGH DRUM VALVE INLET FLANGE BOLT | 9B 5307 006376493 | | NA | 4 | N | 50495209 | 8/EA | |
| 019 | | | M | NUT,PLAI, ORIG: C232 K. SUZUKI 243-2490<br>ORDERED FOR KTR<br><br>FOR HIGH DRUM VALVE OUTLET AND INLET FLANGE NUT | 9B 5310 006373631 | | NA | 4 | N | 50495210 | 16/EA | |
| 020 | | | M | GASKET,S, ORIG: C232 K. SUZUKI 243-2490<br>ORDERED FOR KTR<br><br>FOR HIGH DRUM VALVE UPPER ACTUATION FLANGE GASKET | 9B 5330 013387832 | | NA | 4 | N | 50495212 | 1/EA | |

# MATERIAL LIST

| ITEM NO. | PC NO. | REF NO. | M / C | DESCRIPTION | STOCK NUMBER | GENERIC MATL TYPE | LVL | QA | HAZ MAT | DOC NO. | QTY REQD/ UNIT | QTY USED/ UNIT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 021 | | | M | GASKET,S, ORIG: C232 K. SUZUKI 243-2490<br>ORDERED FOR KTR<br><br>FOR HIGH DRUM VALVE LOWER ACTUATION FLANGE GASKET | 9B 5330 013387849 | | NA | 4 | N | 50495213 | 1/EA | |
| 022 | | | M | STUD,CON, ORIG: C232 K. SUZUKI 243-2490<br>ORDERED FOR KTR<br><br>FOR HIGH DRUM VALVE UPPER ACTUATION FLANGE BOLT | 9B 5307 006376494 | | NA | 4 | N | 50495214 | 8/EA | |
| 023 | | | M | STUD,CONTINUOUS THR, ORIG: C232 K. SUZUKI 243-2490<br>ORDERED FOR KTR<br><br>FOR HIGH DRUM VALVE LOWER ACTUATION FLANGE BOLT | 9B 5307 006376465 | | NA | 4 | N | 50495153 | 8/EA | |
| 024 | | | M | NUT, HEX, ORIG: C232 K. SUZUKI 243-2490<br>ORDERED FOR KTR<br><br>FOR HIGH DRUM VALVE LOWER ACTUATION FLANGE NUT<br><br>NUT, HEX, 1/2"-13UNC-2B, ALLOY STEEL, ASTM A194, GRADE 7.MIL-DTL-1222 TY I, GRADE 7. | 9Z 5310 LL4709555 | | NA | 4 | N | 50497487 | 16/EA | |
| 025 | | | M | NUT, HEX, ORIG: C232 K. SUZUKI 243-2490<br>ORDERED FOR KTR<br><br>FOR HIGH DRUM VALVE UPPER ACTUATION FLANGE NUT<br><br>NUT, HEX HEAD,<br>SPEC: MIL-DTL-1222 TYPE I & ASTM A194,<br>SIZE: 3/4"-10UNC-2B,<br>MATL: ALLOY STEEL, GRADE 7,<br>DO NOT CROSS NSN: 5310-00-637-3631(GRADE 4 OR 7) | 9Z 5310 LL4709559 | | NA | 4 | N | 50497488 | 16/EA | |
| 026 | | | M | GASKET,SPIRAL WOUND, ORIG: C232 K. SUZUKI 243-2490<br>ORDERED FOR KTR<br><br>FOR SUPERHEATER VALVE OUTLET FLANGE SPIRAL GASKET | 9B 5330 013387810 | | NA | 4 | N | 50495154 | 1/EA | |
| 027 | | | M | GASKET,S, ORIG: C232 K. SUZUKI 243-2490<br>ORDERED FOR KTR<br><br>FOR SUPERHEATER VALVE INLET FLANGE SPIRAL GASKET | 9B 5330 013387888 | | NA | 4 | N | 50495215 | 1/EA | |

# MATERIAL LIST

| ITEM NO. | PC NO. | REF NO. | M / C | DESCRIPTION | STOCK NUMBER | GENERIC MATL TYPE | LVL | QA | HAZ MAT | DOC NO. | QTY REQD/ UNIT | QTY USED/ UNIT |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 028 | | | M | STUD,CONTINUOUS THR, ORIG: C232 K. SUZUKI 243-2490 ORDERED FOR KTR<br><br>FOR SUPERHEATER VALVE OUTLET FLANGE BOLT | 9B 5307 006853458 | | NA | 4 | N | 50495155 | 8/EA | |
| 029 | | | M | STUD,CONTINUOUS THR, ORIG: C232 K. SUZUKI 243-2490 ORDERED FOR KTR<br><br>FOR SUPERHEATER VALVE INLET FLANGE BOLT | 1H 5307 012345608 L1 | | I | 1 | N | 50495142 | 8/EA | |
| 030 | | | M | NUT,PLAI, ORIG: C232 K. SUZUKI 243-2490 ORDERED FOR KTR<br><br>FOR SUPERHEATER VALVE OUTLET FLANGE NUT | 9B 5310 006373631 | | NA | 4 | N | 50495199 | 16/EA | |
| 031 | | | M | NUT,PLAIN,HEXAGON, ORIG: C232 K. SUZUKI 243-2490 ORDERED FOR KTR<br><br>FOR SUPERHEATER VALVE INLET FLANGE BOLT | 1H 5310 013833251 L1 | | I | 1 | N | 50495144 | 16/EA | |
| 032 | | | M | GASKET,S, ORIG: C232 K. SUZUKI 243-2490 ORDERED FOR KTR<br><br>FOR SUPERHEATER VALVE UPPER AND LOWER ACTUATION FLANGE GASKET | 9B 5330 013387816 | | NA | 4 | N | 50495200 | 2/EA | |
| 033 | | | M | STUD,CONTINUOUS THR, ORIG: C232 K. SUZUKI 243-2490 ORDERED FOR KTR<br><br>FOR SUPERHEATER VALVE UPPER AND LOWER ACTUATION FLANGE BOLT | 9B 5307 006376465 | | NA | 4 | N | 50495147 | 8/EA | |
| 034 | | | M | NUT,PLAI, ORIG: C232 K. SUZUKI 243-2490 ORDERED FOR KTR<br><br>FOR SUPERHEATER VALVE UPPER AND LOWER ACTUATION FLANGE NUT | 9B 5310 006373628 | | NA | 4 | N | 50495216 | 16/EA | |

FOUO

☐ NUCLEAR

# APPENDIX "D"
# DEFICIENCY FORM

☐ NON-NUCLEAR

| 1. SHIP/HULL NO.: | 2a. DL or DR No. (Circle One) | 2b. REVISION: | 3a. COMPONENT NAME: | 3b. TYPE: | 3c. PHASE: | 3d. REPEAT: |
|---|---|---|---|---|---|---|
| LCC-19 | | | 1B BLR SAF V & PNL | AY | A | 0 |

| 4a. ICN: | 4b. KEY OP: | 5. LOC SPACE/LVL: FRAME: P/S/C: | 6. CAUSED BY: |
|---|---|---|---|
| 3819P22115 | A10 | | |

7. DESCRIPTION:

| 8. ORIGINATOR: | NAME: | BADGE: | SHOP/CODE: | DATE: | PHONE NO.: |
|---|---|---|---|---|---|
| | | | | | |

9. CORRECTIVE ACTION:

| 10. EVALUATOR: | NAME: | BADGE: | SHOP/CODE: | DATE: | PHONE NO.: |
|---|---|---|---|---|---|
| | | | | | |

**FOR NON-NUCLEAR USE ONLY**

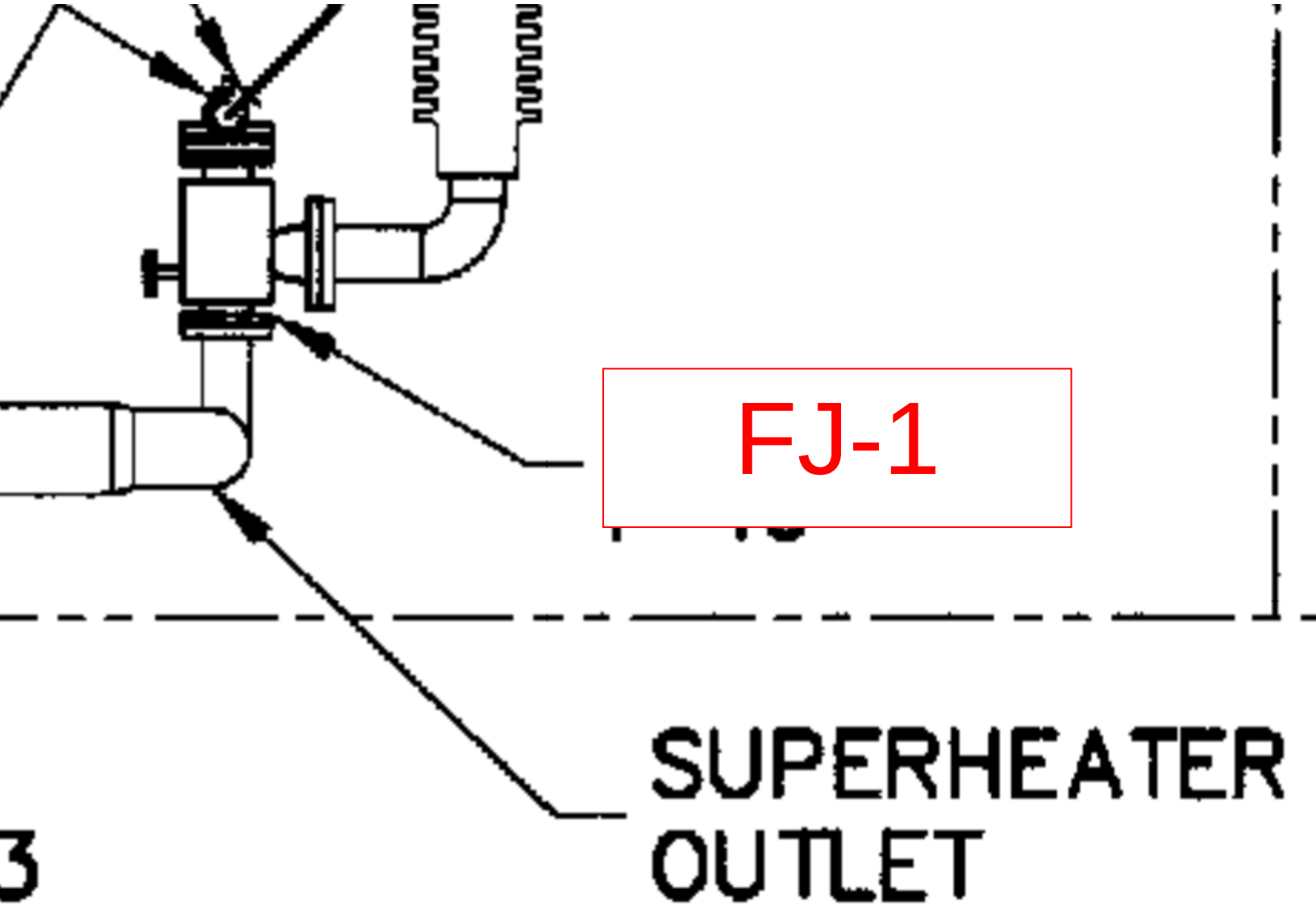
| 11. RFD/RFW REQ'D ☐ LAR REQ'D ☐ ILS MOD REQ'D ☐ | SRD/PLAN REV REQ'D ☐ DWG NO.: _____ S/A NO.: _____ |
|---|---|

| 12. ISOLATION SATISFACTORY: | SIGN: | BADGE: | SHOP/CODE: | DATE: | PHONE NO.: |
|---|---|---|---|---|---|
| 13. SUBSAFE OQE RECORD? YES ☐ NO ☐ | SIGN: | BADGE: | SHOP/CODE: | DATE: | PHONE NO. |
| 14. CORRECTIVE ACTION COMPLETE: | SIGN: | BADGE: | SHOP/CODE: | DATE: | PHONE NO. |
| 15. INSPECTION REQ'D? :YES ☐ NO ☐ | INSPECTION COMPLETE/SIGN: | BADGE: | SHOP/CODE: | DATE: | PHONE NO. |
| 16. RECORDS REVIEW COMPLETE (DR ONLY) | SIGN: | BADGE: | SHOP/CODE: | DATE: | PHONE NO. |

| DL's ISSUED (DR ONLY) | | | | | | | | |
|---|---|---|---|---|---|---|---|---|

☐ NUCLEAR **Deficiency Form Continuation Sheet** ☐ NON-NUCLEAR

| 1. SHIP/HULL NO.: | 2a. DL or DR No. (Circle One) | 2b. REVISION: | 3a. COMPONENT NAME: | 3b. TYPE: | 3c. PHASE: | 3d. REPEAT: |
|---|---|---|---|---|---|---|
| LCC-19 | | | 1B BLR SAF V & PNL | AY | A | 0 |




MAPPING PLAN

3819P22115A10 ENCLOSURE-01

SHEET 1 OF 1

**JOINT/COMPONENT ASSEMBLY RECORD** Planning must fill in blocks identified by a ♦ prior to issuing.
QA FORM 34A PAGE __1___ OF__1___
(For Assemblies Not Requiring Torque Documentation)

| ♦1. SHIP | HULL NO. | ♦2. JCN | ♦3. LWC/SHOP | ♦4. CWP/REC NO. | 5. SYSTEM/COMPONENT/ROTATABLE POOL NO |
|---|---|---|---|---|---|
| USS BLUE RIDGE | LCC-19 | EM02-L192 | KTR | N/A | 1B Superheater Safety Valve Inlet Flange |

♦6. REFERENCES (Specify Assembly Number if applicable.)

| | | |
|---|---|---|
| A. MAPPING PLAN, ENCLOSURE-01 | B. TGI No. 3819P22115 A10 | C. |
| D. | E. | F. |

7. NEW MATERIAL

| PC NO. | REF. | JOINT ID | DESCRIPTION (Include thickness for shims; diameter and thread pitch for fasteners) | QTY | LOE | IDENT (E.G., MIC NO/NSN/ROTATABLE POOL NO) (**FOR LEVEL I FASTENERS:** Include Material Marking, Color Code, Heat/Lot Number, and Manufacturer's Symbol) | CRAFT INT |
|---|---|---|---|---|---|---|---|
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8. JOINT DATA

FOR OTHER THAN JOINT MAKE-UP, DESCRIBE THE SPECIFIC ATTRIBUTE AND LOCATION OF THE ACCEPTANCE CRITERIA. IDENTIFY JOINTS THAT REQUIRE CONTROLLED ASSEMBLY PROCEDURES.

INSPECTOR (SHIPYARDS ONLY - FOR CONTROLLED ASSEMBLY JOINTS ONLY) & CRAFTSMAN SIGNATURE CERTIFIES:
(1) JOINT SEALING SURFACES, ALIGNMENT, GAP AND PARALLELISM ARE SAT PER SPECIFIED REQUIREMENTS AND STUDS HAVE BEEN CHECKED FOR ROTATION IF APPLICABLE, OR ATTRIBUTE IS ACCEPTABLE PER SPECIFIED CRITERIA.
(2) ALL NEW MATERIAL ASSOCIATED WITH THIS JOINT MEETS SPECIFIED REQUIREMENTS, IS INSTALLED & LISTED IN BLOCK 7; EXISTING MATERIAL ASSOCIATED WITH THIS JOINT IS ACCEPTABLE AND CORRECTLY INSTALLED.
FOR FLEET ONLY: FOR NON-CONTROLLED ASSEMBLIES WHEN NO SPECIFIC ATTRIBUTE IS SPECIFIED, INSPECTOR SIGNATURE CERTIFIES ACCEPTANCE OF LEVEL I MATERIAL ONLY.

| ♦JOINT ID & JOINT TYPE OR ATTRIBUTE DESCRIPTION | ♦JT. REF | ♦(C) FOR CRAFTSMAN OR (I) FOR INSPECTOR | CRAFTSMAN SIGNATURE/BADGE/DATE (FOR EACH JOINT/ATTRIBUTE) INSPECTOR SIGNATURE/BADGE/DATE (FOR EACH (I) JOINT/ATTRIBUTE) |
|---|---|---|---|
| A. FJ-1 | A<br>B | (C) | |
| B. | | | |
| C. | | | |
| D. | | | |
| E. | | | |

| ♦9. LOCKING DEVICE INSTALLED OR REQD ACTION: ☒ NA | MATL. DESCRIPTION/NSN/PC. NO. | JT. ID. | CRAFTSMAN SIGNATURE/BADGE/DATE ☐ **SAT** |
|---|---|---|---|

10. REMARKS (CRAFTSMAN/QAI SUBMIT A DF TO RESOLVE UNSAT DATA)

(FOR USE WHEN SIGNATURE DOES NOT ALREADY APPEAR ON FORM)

| INITIAL | SIGNATURE/BADGE NO. |
|---|---|
| | |
| | |
| | |

| 11. LWC SUPERVISOR/SHOP SUPERVISOR SIGNATURE/BADGE NO (RECORD REVIEWED FOR FINAL ACCEPTANCE) | 12. QAS SIGNATURE /BADGE NO (RECORD HAS BEEN REVIEWED FOR COMPLETENESS) |
|---|---|