# USCGC HUDSON (WLIC 801)

SPECIFICATION FOR DOCKSIDE REPAIRS

FY2026

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# WORK ITEM 7: Hull Fittings, Weight Handling Rigging Hardware, Inspect and Test

## 1. SCOPE

1.1 Intent. This work item describes the requirements for the Contractor to inspect and test designated hull fittings, listed in Table 1.

**TABLE 1 - DESIGNATED ATON HULL FITTINGS**

| QTY | DESCRIPTION | LOCATION |
|---|---|---|
| 3 | Pad Eye, 1-1/4" | Main Deck, Frame -1, P/S and CL |
| 4 | Pad Eye, 1-1/4" | Main Deck, Frame 11, P/S |
| 2 | Pad Eye, 1-1/4" | Main Deck, Frame 17, P/S |
| 2 | Pad Eye, 1-1/4" | Main Deck, Frame 20, P/S |
| 4 | Pad Eye, 1-1/4" | Main Deck, Frame 22, P/S |
| 4 | Pad Eye, 1-1/4" | Main Deck, Frame 49, P/S |
| 2 | Pad Eye, 1-1/4" | Main Deck, Frame 79, P/S |

1.2 Government-furnished property.

None.

## 2. REFERENCES

### COAST GUARD DRAWINGS

Coast Guard Drawing FL 1204-3, Rev A, Welded Padeyes & Links

### COAST GUARD PUBLICATIONS

Surface Forces Logistics Center Standard Specification 0000 (SFLC Std Spec 0000), 2020, General Requirements

Surface Forces Logistics Center Standard Specification 0740 (SFLC Std Spec 0740), 2020, Welding and Allied Processes

Surface Forces Logistics Center Standard Specification 6310 (SFLC Std Spec 6310), 2020, Requirements for Preservation of Ship Structures

### OTHER REFERENCES

None

## 3. REQUIREMENTS

3.1 General.

3.1.1 CIR.

None.

3.1.2 Tech Rep.

Not applicable.

3.1.3 Protective measures - general. The Contractor shall furnish and install all protective coverings to seal off and protect all non-affected vessel's components, equipment, and spaces in the vicinity of the work area against contamination during the performance of work. Upon completion of work, the Contractor shall remove all installed protective measures, inspect for the presence of contamination, and return all contaminated equipment, components, and spaces to original condition of cleanliness.

3.1.4 Interferences. The Contractor shall handle all interferences in accordance with SFLC Std Spec 0000, paragraph 3.3.5 (Interferences).

3.2 Inspection and test particulars. The Contractor shall accomplish the following inspections for all designated fittings, and submit a CFR.

3.2.1 Visual. Perform a visual inspection of fitting structures and associated foundations, for evidence of fractures, excessive wear, deformation, and corrosion.

3.2.2 NDE. Structurally inspect all fittings, including foundation welds, by NDE methods in accordance with SFLC Std Spec 0740, Appendix C. If a NDE method that requires coating removal is selected, perform subsequent touch-up preservation in accordance with SFLC Std Spec 6310, paragraph 3.1.13 (Touch-ups and minor coating repairs).

**NOTE**

**Common NDE methods not requiring coating removal include, but are not limited to:**

**a. Radiographic Testing (RT).**

**b. Ultrasonic Testing (UT).**

**c. Eddy Current Testing (ET).**

3.2.3 Measurements. Measure and record each pad-eye diameter ("A" dimension), shown on Coast Guard Drawing FL 1204-3 as guidance.

3.2.4 Pull-test. In lieu of NDE, the Contractor may pull-test all pad eyes in accordance with SFLC Std Spec 5000, paragraph 3.2.7 (Pull-Test), using the working load provided in Coast Guard Drawing FL 1204-3 for each designated pad eye size. Visually inspect all welds for signs of damage, after completion of pull-test.

## 4. NOTES

This section is not applicable to this work item.

# WORK ITEM 8: Crossdeck Winch, Inspect & Service

## 1. SCOPE

1.1 Intent. This work item describes the requirements for the Contractor to inspect and service the Utility Air Winch Model HU-40 Series.

1.2 Government-furnished property.

None.

## 2. REFERENCES

### COAST GUARD DRAWINGS

Coast Guard Fleet Drawing FL-1112-18, Rev -, HU40 Series Spud Winch Foundation

### COAST GUARD PUBLICATIONS

Coast Guard Technical Publication (TP) 4958, Section A, Amendment 1; Mar 2011, Utility Air Winch Model HU-40 Series

Surface Forces Logistics Center Standard Specification 0000 (SFLC Std Spec 0000), 2020, General Requirements

Surface Forces Logistics Center Standard Specification 5000 (SFLC Std Spec 5000), 2020, Auxiliary Machine Systems

### OTHER REFERENCES

None

## 3. REQUIREMENTS

3.1 General.

3.1.1 CIR.

None.

3.1.2 Tech Rep.

Not applicable.

3.1.3 Protective measures. The Contractor must furnish and install all protective measures in accordance with SFLC Std Spec 0000, paragraph 3.3.3 (Vessel component, space, and equipment protection).

3.1.4 Interferences. The Contractor must handle all interferences in accordance with SFLC Std Spec 0000, paragraph 3.3.5 (Interferences).

3.2 Renewal task particulars. The Contractor must perform the tasks designated in Table 1 below, in accordance with SFLC Std Spec 5000:

**TABLE 1 – REQUIRED TASKS**

| | | | | ADDITION REQUIREMENTS | |
|---|---|---|---|---|---|
| **#** | **TASK TYPE (SFLC STD SPEC 5000 PARA. REF.)** | **QTY** | **COMPONENT OR ASSEMBLY** | **APPENDIX AND PARA. FROM SFLC STD SPEC 5000** | **OTHER** |
| 1 | Operate and Inspect | 6 | 3.2.1 (Operate and Inspect)<br>D2.1 (Fastener assemblies) | D2.1 (Fastener assemblies) | Submit CFR. |
| 2 | NDE and Preserve | 6 | Winch Foundation | 3.2.4 (Preservation)<br>3.2.5 (NDE) | 1. Finish coat color: black (17038).<br>2. Areas to NDE:<br>…- All weld joints connecting winch foundations to the deck<br>…- Winch feet<br>3. Submit CFR. |
| 3 | Renew | 6 | Wire Rope Assembly | D2.2 (Wire Rope Assemblies) | Wire rope particulars:<br>Each set is as follows:<br>- Nominal diameter: 5/8 inch.<br>- Nominal strength: 6x37 XXIPS IWRC RRL<br>- Length of rope required: 150 ft per assembly<br>- End fitting type: Poured spelter or fiege |
| 4 | Groom and Lubricate | 6 | Winch | 3.2.6 (Groom and lubricate) | |
| 5 | Final Operational Test | 6 | Winch | B2.3 (Winches) | Verify that winch and sheaves rotate freely and with no unusual noise or binding.<br>Submit CFR. |
| 6 | Fabricate and Install | 6 | Label Plate | B2.9 (Label plates) | |

## 4. NOTES

This section is not applicable to this work item.

# WORK ITEM 9: Capstan, Inspect and Service

## 1. SCOPE

1.1 Intent. This work item describes the requirements for the Contractor to inspect and repair the Jered LLC Air Driven Warping Capstan, Model X-1503, located on the Fantail.

1.2 Government-furnished property.

None.

## 2. REFERENCES

### COAST GUARD DRAWINGS

None

### COAST GUARD PUBLICATIONS

Coast Guard Technical Publication (TP) 4417, SWBS 582, Section A, Jan 2011, Warping Capstan

Surface Forces Logistics Center Standard Specification 0000 (SFLC Std Spec 0000), 2014, General Requirements

Surface Forces Logistics Center Standard Specification 5000 (SFLC Std Spec 5000), 2014, Auxiliary Machine Systems

### OTHER REFERENCES

None

## 3. REQUIREMENTS

3.1 General.

3.1.1 CIR. The Contractor shall submit a CIR for the inspections listed in Table 1:

- Task #1.
- Task #2.
- Task #3.
- Task #4.

3.1.2 Tech Rep.

Not applicable.

3.1.3 Protective measures - general. The Contractor shall furnish and install all protective coverings to seal off and protect all non-affected vessel's components, equipment, and spaces in the vicinity of the work area against contamination during the performance of work. Upon completion of work, the Contractor shall remove all installed protective measures, inspect for the presence of contamination, and return all contaminated equipment, components, and spaces to original condition of cleanliness.

3.1.4 Interferences. The Contractor shall handle all interferences in accordance with SFLC Std Spec 0000, paragraph 3.3.5 (Interferences). Known interferences include, but are not limited to the below-listed:

- Tow bitt.
- .

3.2 Recurring Maintenance Requirements. The Contractor shall perform the tasks designated in Table 1 below.

**TABLE 1 – RECURRING MAINTENANCE REQUIREMENTS**

| | | | | ADDITIONAL REQUIREMENTS | |
|---|---|---|---|---|---|
| **#** | **TASK TYPE (SFLC STD SPEC 5000 PARA. REF.)** | **QTY** | **COMPONENT OR ASSEMBLY** | **APPENDIX AND PARA. FROM SFLC STD SPEC 5000** | **OTHER** |
| 1 | Operate and Inspect | 1 | Warping Capstan Assembly | 3.2.1 (Operate and Inspect)<br>Appendix A | Submit a CIR. |
| 2 | Disassemble, Inspect, and Preserve | 1 | Warping Capstan head shaft assembly | 3.2.3 (Disassemble and inspect)<br>3.2.4 (Preservation) | Submit a CIR. |
| 3 | Disassemble, Inspect, and Preserve | 1 | Air Motor Assembly and Associated Shaft Coupling | 3.2.3 (Disassemble and inspect)<br>3.2.4 (Preservation) | Refer to «TP»<br>Submit a CIR. |
| 4 | Disassemble and Inspect | 1 | Pnuematic brake | D2.3 (Brakes and clutches) | Submit a CIR. |
| 5 | Disassemble, Inspect, and Preserve | 1 | Control Valve | C2.4 (Valves and manifolds)<br>3.2.4 (Preservation) | Submit CFR. |
| 6 | Service and Inspect | 1 | Gear reducer | D2.4 (Open gearing and gear reducers) | Submit CFR. |
| 7 | Preserve and NDE | 1 | Warping Capstan assembly and foundation | 3.2.4 (Preservation)<br>3.2.5 (NDE) | Submit CFR. |
| 8 | Renew | All | Foundation and soft patch gaskets | | |
| 9 | Renew | 2 | Pneumatic hose assembly | | See «TP». |

| | | | | ADDITIONAL REQUIREMENTS | |
|---|---|---|---|---|---|
| **#** | **TASK TYPE (SFLC STD SPEC 5000 PARA. REF.)** | **QTY** | **COMPONENT OR ASSEMBLY** | **APPENDIX AND PARA. FROM SFLC STD SPEC 5000** | **OTHER** |
| 10 | Groom and lubricate | 1 | Warping Capstan assembly | 3.2.6 (Groom and Lubricate) | |
| 11 | Operational and Weight Test | 1 | Warping Capstan | B2.6 (Capstan) | Refer to «TP» Submit CFR. |
| 12 | Fabricate and Install | 1 | Label plates | B2.9 (Label Plates) | |

## 4. NOTES

This section is not applicable to this work item.

# WORK ITEM 10: Spud Winches, Inspect & Service

## 1. SCOPE

1.1 Intent. This work item describes the requirements for the Contractor to inspect and service the HU40 Series spud air winches.

1.2 Government-furnished property.

None.

## 2. REFERENCES

### COAST GUARD DRAWINGS

### COAST GUARD PUBLICATIONS

Surface Forces Logistics Center Standard Specification 0000 (SFLC Std Spec 0000), 2020, General Requirements

Surface Forces Logistics Center Standard Specification 5000 (SFLC Std Spec 5000), 2020, Auxiliary Machine Systems

### OTHER REFERENCES

None

## 3. REQUIREMENTS

3.1 General.

3.1.1 CIR.

None.

3.1.2 Tech Rep.

Not applicable.

3.1.3 Protective measures. The Contractor must furnish and install all protective measures in accordance with SFLC Std Spec 0000, paragraph 3.3.3 (Vessel component, space, and equipment protection).

3.1.4 Interferences. The Contractor must handle all interferences in accordance with SFLC Std Spec 0000, paragraph 3.3.5 (Interferences).

3.2 Inspection & service task particulars. The Contractor must perform the following tasks in accordance with SFLC Std Spec 5000 :

**TABLE 1. INSPECTION & SERVICE TASKS**

| | | | | ADDITION REQUIREMENTS | |
|---|---|---|---|---|---|
| **#** | **TASK TYPE (SFLC STD SPEC 5000 PARA. REF.)** | **QTY** | **COMPONENT OR ASSEMBLY** | **APPENDIX / PARA. FROM SFLC STD SPEC 5000** | **OTHER** |
| 1 | Operate and Inspect | 4 | Spud Winch Assembly | 3.2.1 (Operate and Inspect) | Inspection also includes fasteners. Submit CFR. |
| 2 | Preserve, NDE | 4 | Spud Winch Foundation | 3.2.4 (Preservation)<br>3.2.5 (NDE) | 1. Finish coat color: black (17038).<br>2. Areas to NDE: all weld joints connecting winch foundations to the deck.<br>3. Submit CFR. |
| 3 | Renew | 4 | Wire Rope Assembly | D2.2 (Wire rope assemblies) | Rope particulars:<br>1. Type: 5/8-inch 6 x 37 EIPS-IWRC RRL Wire Rope, Including Associated Fittings<br>2. Length: 130feet<br>Dispose of old wire rope. |
| 4 | Groom and Lubricate | 4 | Spud Winch Assembly | 3.2.6 (Groom and Lubricate | Submit CFR. |
| 5 | Final Operational Test | 4 | Spud Winch Assembly | B2.3 (Winches) | Operational Test:<br>1. Raise and lower the spud for 10 complete cycles (or as far as possible).<br>2. Verify that winch and sheaves rotate freely and with no unusual noise or binding.<br>3. Submit CFR. |

## 4. NOTES

This section is not applicable to this work item.

# WORK ITEM 11: Boat Davit, Inspect & Service

## 1. SCOPE

1.1 Intent. This work item describes the requirements for the Contractor to inspect and service the boat davit.

1.2 Government-furnished property.

None.

## 2. REFERENCES

### COAST GUARD DRAWINGS

Coast Guard Drawing 160-WLIC 8201-7, Rev A, Boat Davit and Pedestal Assembly

### COAST GUARD PUBLICATIONS

Coast Guard Technical Publication (TP) 2056, Manufacturer's Instruction Book-SWBS Group(s) 313-665

Surface Forces Logistics Center Standard Specification 0000 (SFLC Std Spec 0000), 2020, General Requirements

Surface Forces Logistics Center Standard Specification 0740 (SFLC Std Spec 0740), 2020, Welding and Allied Processes

Surface Forces Logistics Center Standard Specification 5000 (SFLC Std Spec 5000), 2020, Auxiliary Machine Systems

### OTHER REFERENCES

None

## 3. REQUIREMENTS

3.1 General.

3.1.1 CIR. The Contractor must submit a CIR for the inspections listed in Table 1:

- Task #1
- Task #2

3.1.2 Tech Rep.

Not applicable.

3.1.3 Protective measures. The Contractor must furnish and install all protective measures in accordance with SFLC Std Spec 0000, paragraph 3.3.3 (Vessel component, space, and equipment protection).

3.1.4 Interferences. The Contractor must handle all interferences in accordance with SFLC Std Spec 0000, paragraph 3.3.5 (Interferences).

3.2 Inspection and service requirements. The Contractor must perform the tasks designated in Table 1 below, referring to the references list in Section 2 "References" for guidance.

**TABLE 1 – INSPECTION & SERVICE REQUIREMENTS**

| # | TASK TYPE (SFLC STD SPEC 5000 PARA. REF.) | QTY | COMPONENT OR ASSEMBLY | APPENDIX AND PARA. FROM SFLC STD SPEC 5000 | OTHER |
|---|---|---|---|---|---|
| 1 | Operate and Inspect | 1 | Davit assembly | 3.2.1 (Operate and Inspect) | Submit a CIR. |
| 2 | Disassemble and inspect | 1 | Davit assembly | 3.2.3 (Disassemble and inspect) | Submit a CIR |
| 3 | Service and Inspect | 1 | Winch | 3.2.2 (Service and inspect) | Submit CFR. |
| 4 | Renew | 1 | Wire rope assembly | D2.2 (Wire rope assembly) | Contractor to furnish wire rope assembly |
| 5 | NDE | 1 | Pedestal | 3.2.5 NDE | |
| 6 | Preserve | 1 | Davit assembly | 3.2.4 (Preservation) | |
| 7 | Renew | All | Grease fittings | | |
| 8 | Renew | All | Pins and sheeve bushings | | |
| 9 | Groom and Lubricate | 1 | Davit assembly | 3.2.6 (Groom and Lubricate) | |
| 10 | Weight Test | 1 | Davit | B2.7.1 (SPD) | Weight test in accordance with CG Dwg 160-WLIC 8201-7, General Note 3.<br><br>Rated load test: 1,320 (+30 – 0) lbs<br>Dynamic load test: 1,520 (+30 – 0) lbs<br>Static load test: 1,650 (+32 – 0) lbs<br>Submit a CFR. |
| 11 | Fabricate and Install} | 1 | Label Plate | B2.9 (Label Plates) | |

3.3 Additional maintenance requirements. The Contractor must perform the Table 2 tasks below marked with an "X". Submit CFR(s) to document all inspections, to recommend additional repairs, and to document completed maintenance and repair tasks. Combine or group CFRs, as required, to minimize administrative burden and maximize efficiency.

**TABLE 2 – ADDITIONAL MAINTENANCE REQUIREMENTS**

| ADDITIONAL TASK | TASK TYPE | QTY | COMPONENT OR ASSEMBLY | APPENDIX AND PARA. FROM SFLC STD SPEC 5000 | OTHER |
|---|---|---|---|---|---|
| | Renew | 1 | Hoist Hook | | |
| | Renew | 1 | Winch | | |

3.4 Special requirements for various components. If a Change Request has been authorized for additional work on any of the components listed in Table 3 below, the Contractor must refer to the corresponding Appendix or paragraph of SFLC Std Spec 5000.

**TABLE 3 – SPECIAL REQUIREMENTS**

| COMPONENT | APPENDIX & PARAGRAPH IN SFLC STD SPEC 5000 |
|---|---|
| Fluids | C2.1 |
| Hose assemblies | C2.2 |
| Piping and tubing | C2.3 |
| Valves and manifolds | C2.4 |
| Gages | C2.5 |
| Gas charged accumulators | C2.6 |
| Heat exchangers and fluid coolers | C2.7 |
| Systems | C2.8 |
| Fastener assemblies | D2.1 |
| Wire rope assemblies | D2.2 |
| Brakes and clutches | D2.3 |
| Open gearing and gear reducers | D2.4 |

## 4. NOTES

This section is not applicable to this work item.