Ship/HULL NO.	Ship/HULL NAME	JON:	ICN:	Rev:	Key Op:
YON-285	BARGE		89MVA15004		A01

TITLE:

SHIPALT YON-0123D; accomplish

JOB SPECIFICATION

Anticipated Award Date:	Production Completion Date:	PREPARING ACTIVITY:
7/31/2026	02/02/2027	SASEBO
POP Start Date: 9/28/2026	**POP End Date:** 4/30/2027	

PREPARED BY: **Y.SHIMIZU**	CODE **H_SH**	DATE **1/29/2026**
APPROVED BY: **S.MURAKAMI**	CODE **S225**	
CONCURRED BY: **S.MOROOKA**	CODE **S231**	
ASSIST PLANNER'S NAME: **T.SATO**	CODE **H_ST**	
ASSIST PLANNER'S NAME: **K.ICHIRIKI**	CODE **H_IK**	
ASSIST PLANNER'S NAME: **Y.KATAOKA**	CODE **M_KA**	
ASSIST PLANNER'S NAME: **A.HAMADA**	CODE **P_HA**	

WORK TO BE DONE IN DRYDOCK/DRY-BERTHING

DESCRIPTION:

JSN(S): N/A **CASREP #**

S/F CONTACT: **CWP #** **CCNS #**

Approved by S300/S900 T. ESCRITOR-YAMADA PM S320 **Date:** 2/2/2026 **Avl:** 6B1 ~~7B1~~

LWC:

Work Completed

S/Force: **Rate:** **Date:**

Ship Supt: **Date:** **SRF CONTROL NO.:** 1301348511

WORK CERTIFICATION SIGNATURES

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

Ship/HULL NO.	Ship/HULL NAME	JON:	ICN:	Rev:	Key Op:
YON-285	BARGE		89MVA15004		A01

TITLE:

SHIPALT YON-0123D; accomplish

1. **SCOPE:**

1.1 Title: SHIPALT YON-0123D; accomplish

1.2 Location of Work:

1.2.1 Throughout the Barge

1.3 Identification:

1.3.1 Listed in 2.2 through 2.12 for Barge Conversion, Located in 1.2.1

1.3.1.1 Quantity (2 EA), Fuel Oil and Lube Oil Tank as Follows

Tank	Capacity at 100 Percent Full
Fuel Oil Tank (1-20-1-F)	225 GAL
Lube Oil Tank	10 GAL

2. **REFERENCES:**

2.1 Standard Items (FY26 ~~FY27~~)

2.2 150-8970262, Deckhouse Modification and Awning Expansion

2.3 185-8970263, Structural and Foundation Incidental Watch Station

2.4 185-8970264, Structural and Foundation Incidental Maintenance and Tool Storage Vans

2.5 185-8970265, Structural and Foundation Incidental Fuel and Oil Tanks Tiedowns

2.6 185-8970266, Pump Foundation Installation

2.7 191-8970329, Ballast Installation Incidental Conversion FY 2025

2.8 505-8970270, Misc Piping System Removals INCID Barge Conversion

2.9 544-8970269, Cargo PP SYS Removal INCDT Barge Conversion

2.10 583-8970267, Boat Tie Downs and Access

2.11 589-8970268, J-Bar Davit Installations Incidental Barge Conversion

2.12 601-8970150, Installation and Arrangement Barge Conversion

2.13 511-4 673 911-921 Rev 7, Deckhouse Vent & Diesel Oil Tank

2.14 113-4 673 911, 912, 915, 916, 919-921 Rev 2

2.15 803-1645271 Rev F, Load Handling Davits, 500 to 3,000 Pounds, Aluminum and Steel

2.16 803-2276338 Rev B, Cleats, Welded Horn Type

2.17 835-8970261, Engineering Data Package Main Deck Loading Incidental Barge Conversion FY25

2.18 S2803-980208 Rev F, Label Plates

2.19 S2803-980209 Rev L, Label Plates

2.20 S9AA0-AB-GOS-010 Rev 11, General Specifications for Overhaul of Surface Ships (GSO)

2.21 T.P File No.: 61111-3-100_26061D, Load Handling Davit - Load Test

2.22 T.P File No.: 61111-4-100_26061C, Cleat - Load Test

2.23 T.P File No.: 62312-2-100_26061A, Diver Ladder - Static Load Test

3. REQUIREMENTS:

3.1 Open, ventilate, conduct gas free, empty, clean, render dry and maintain each tank listed in 1.3.1.1 for removal of each tank, using 2.13 and 2.14 for guidance. (See NOTE 4.2 through 4.4.)

3.1.1 Clean the piping affected by this work item to a gas/oil free condition, in accordance with 29 CFR 1915 Subpart B.

3.1.2 Ensure that each harmful vapor, fume, and mist is ventilated to the exterior of the barge.

3.1.3 Remove and dispose of waste liquid that is not being stored for reuse to a Contractor provided waste liquid conveyance.

3.1.3.1 Provide watches and following spill kits (absorbent pads, booms, etc. for oil or chemical spill containment) at each affected area where waste liquid is being transferred to ensure that each liquid is not released to any shipboard compartment or the sea. In case of a spill, take immediate action to contain the spill.

3.1.3.2 Identify each transfer hose to the conveyance by affixing the company's name and tank/space location pumping from on each hose.

3.1.3.3 Establish and maintain communication between the pumping station and the conveyance when the waste liquid is being transferred.

(V) "INSPECT PIPING AND HOSE ALIGNMENT"

3.1.3.4 Inspect alignment of each hose, valve and piping in the flow path prior to the start of pumping, purging, or flushing.

3.1.3.5 Accomplish a periodic walkthrough of each piping, hose, and valve alignment for leaks at least once an hour.

3.1.3.6 Pumping after sunset is not authorized unless approved by SUPERVISOR.

3.2 Accomplish the requirements of 2.2 through 2.12 including each general note for barge conversion listed in 1.3.1 using 2.13 through 2.20 for guidance.

3.2.1 Accomplish the requirements of **009-12** of 2.1, including Table 4, Column A, C and D, Lines One through 7 for welding. (See NOTE 4.5.)

(V) "REPORT"

3.2.1.1 Ensure to notify which welding standard has been selected to SUPERVISOR.

3.2.1.2 Accomplish nondestructive test of each welded joint of primary structure in accordance with Line 9.

3.2.2 Accomplish the requirements of **009-12** of 2.1, including Table One Column A, Lines One through 10.

3.2.2.1 Fabricate each backing ring in accordance with Line 6.

3.2.3 Accomplish the requirements of **009-25** of 2.1 for a local air hose test or water hose test of each new welded section and penetration area of watertight boundaries. Allowable leakage: None.

(V) (G) "RUNNING AIR TEST"

3.2.4 Accomplish the running air test of piping affected by this work item to verify no leakage, using Section 192f of 2.20 for guidance. **-S130**

3.2.4.1 Apply a soapy solution to the outside of the welded joint and inspect for leaks.

3.2.4.2 Inspect joint for leakage by observing for formation of bubbles. Allowable leakage: None.

3.2.5 Ensure correct operation of winch and brake system for each load handling davit assembly.

(V) (G) "LOAD TEST"

3.2.6 Accomplish the requirements of 2.21 through 2.23 for load test of each load handling davit, cleat and diver ladder using 2.15 through 2.19 for guidance. **-S246**

(V) "REPORT"

3.2.7 Ensure to notify which type of gravel using as ballast material to meet the requirements of General Notes 14 and 15 of 2.7 to supervisor. (See NOTES 4.9)

3.3 Accomplish the requirements of **009-32** of 2.1 for cleaning and preservation of each new and disturbed surface to match surrounding areas.

4. NOTES:

4.1 Initial Condition - SHIPALT YON-0123D has not been completed.

4.2 Each void cleaning will be covered by ICN 89MVA11001_A01.

4.3 Each cargo oil tank cleaning will be covered by ICN 89MVA12301_A01.

4.4 Marine Chemist inspection will be covered by ICN 89MVA11001_A01.

4.5 OPTION A) of Table 4 of 009-12 of 2.1 has been allowed to utilize under ELM-255171.

4.6 SRF Tool Room will issue each pressure gauges, torque wrench, test weight and dynamometer when required.

4.7 The contractor is responsible to dispose all waste generated by this work item excluding each recyclable material (e.g. ripped out engines, pumps, valves, valve operating equipment, etc.) in accordance with Japanese Environmental Governing Standards (JEGS).

4.8 Each new van, fuel tank and filter pump skid (Item No. One through 6 of 2.12) will be provided by SRF.

4.9 Planning Yard recommends using gravel as ballast material.

4.10 Preservation work of underwater hull will be covered by ICN 89MVA11001_A01.

4.11 Preservation and nonskid deck covering work on main deck and deckhouse will be covered by ICN 89MVA15003_A01.

5. GOVERNMENT FURNISHED MATERIAL (GFM):

5.1 Government Furnished Material as follows.

MATERIAL LIST									
ITEM NO.	PC NO.	REF NO.	M / C	DESCRIPTION	STOCK NUMBER	HAZ MAT	DOC NO.	QTY REQD/ UNIT	Para No.
001	7	2.12	M	BAR,METAL,FLAT BAR, 3" X 1/4"	9B 9510 001891562	9	5237B101	74/FT	3.2
002	8	2.12	M	BAR,METAL,ROUND BAR, 1/2' DIA	9B 9510 001881739	9	5237B102	74/FT	3.2
003	9	2.12	M	WELD BUNG,WELD BUNG, 3/8" NPT, FEMALE, P/N: 12555K72	9B 4730 SA2505044	9	6023E308	4/EA	3.2
004	10	2.12	M	DRAIN VALVE,STOPCOCK VALVE, 3/8" NPT, MALE P/N: 4921K34	9B 4730 SA2505041	9	6023E309	4/EA	3.2
005	7	2.12	M	BAR,METAL,1/4"THK X 3"WIDTH, 22FT CONTINUOUS LENGTH, STEEL, ASTM A36	9B 9510 001891562	9		22/FT	3.2
006	7	2.12	M	BAR,METAL,1/4"THK X 3"WIDTH, 22FT CONTINUOUS LENGTH, STEEL, ASTM A36	9B 9510 001891562	9		22/FT	3.2
007	8	2.12	M	BAR,METAL,1/2"DIA, 22 FT CONTINUOUS LENGTH, STEEL, ASTM A36	9B 9510 001881739	9		22/FT	3.2
008	8	2.12	M	BAR,METAL,1/2"DIA, 22 FT CONTINUOUS LENGTH, STEEL, ASTM A36	9B 9510 001881739	9		22/FT	3.2
009	1	2.10	M	TUBE,METALLIC,2"NPS, SCHEDULE 40, 2.375"OD X 0.154"W/T, ALMINUM ALLOY 5086 H32, SEAMLESS, 20 FT CONTINUOUS LENGTH	9B 4710 005422908	9		20/FT	3.2
010	1	2.10	M	TUBE,METALLIC,2"NPS, SCHEDULE 40, 2.375"OD X 0.154"W/T, ALMINUM ALLOY 5086 H32, SEAMLESS, 20 FT CONTINUOUS LENGTH	9B 4710 005422908	9		20/FT	3.2
011	2	2.10	M	PIPE,METALLIC,2-1/2"NPS, SCHEDULE 40, 2.875"OD X 2.469"ID, 0.203"W/T, 12 FT LENGTH, STEEL, ASTM A106 GRADE B	9B 4710 008925913	9		12/FT	3.2
012	7	2.10	M	BAR,METAL,1/2"DIA, 8 FT CONTINUOUS LENGTH, ALUMINUM ALLOY 5086 H111	9B 9530 005422558	9		8/FT	3.2
013	9	2.10	M	BAR,METAL,1/4"THK X 2"WIDTH X 8 FT LENGTH, ALUMINUM, ASTM B221	9B 9530 005422596	9		8/FT	3.2
014	16	2.10	M	BAR,METAL,1/2"DIA, 16 FT CONTINUOUS LENGTH, STEEL, ASTM A36	9B 9510 001881739	9		16/FT	3.2
015	1	2.11	M	SHEET,METAL,5.1#, 1/8"THK, 36"WIDTH X 36"LENGTH, STEEL, ASTM A36	9B 9515 015087795	9		1/SH	3.2
016	2	2.11	M	PLATE,METAL,7.65#, 3/16"THK X 72"WIDTH X 10'LENGTH, STEEL, ASTM A36	9B 9515 002671176	9		1/PM	3.2

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MATERIAL LIST

ITEM NO.	PC NO.	REF NO.	M / C	DESCRIPTION	STOCK NUMBER	HAZ MAT	DOC NO.	QTY REQD/ UNIT	Para No.
017	3	2.11	M	PLATE,METAL,10.2#, 1/4"THK X 48"WIDTH X 8'LENGTH, STEEL, ASTM A36	9B 9515 009526280	9		1/PM	3.2
018	4	2.11	M	PLATE,METAL,15.3#, 3/8"THK X 48"WIDTH X 8'LENGTH, STEEL, ASTM A36	9B 9515 009173655	9		1/PM	3.2
019	5	2.11	M	PLATE,METAL,20.4#, 1/2"THK X 48"WIDTH X 8'LENGTH, STEEL, ASTM A36	9B 9515 009695124	9		1/PM	3.2
020	6	2.11	M	I-BEAM,WT 8 X 24, WEB: 1/4"THK X 7-7/8"WIDTH, FLANGE: 3/8"THK X 6-1/2"WIDTH, 12 FT CONTINUOUS LENGTH, STEEL, ASTM A36	9B 9520	9		12/FT	3.2
021	6	2.11	M	I-BEAM,WT 8 X 24, WEB: 1/4"THK X 7-7/8"WIDTH, FLANGE: 3/8"THK X 6-1/2"WIDTH, 12 FT CONTINUOUS LENGTH, STEEL, ASTM A36	9B 9520	9		12/FT	3.2
022	7	2.11	M	BAR,METAL,1"DIA, 16 FT CONTINUOUS LENGTH, STEEL, ASTM A36	9B 9510 001881743	9		16/FT	3.2
023	8	2.11	M	PIPE,METALLIC,8"NPS, SCHEDULE 80, 8.625"OD X 7.625"ID X 0.500"W/T, 10 FT CONTINUOUS LENGTH, ASTM A500, GRADE B	9B 4710	9		10/FT	3.2
024	8	2.11	M	PIPE,METALLIC,8"NPS, SCHEDULE 80, 8.625"OD X 7.625"ID X 0.500"W/T, 10 FT CONTINUOUS LENGTH, ASTM A500, GRADE B	9B 4710	9		10/FT	3.2
025	9	2.11	M	PIPE,METALLIC,10"NPS, SCHEDULE 80, 10.75"OD X 9.562"ID X 0.594"W/T, 6 FT CONTINUOUS LENGTH, ASTM A500, GRADE B	9B 4710	9		6/FT	3.2
026		2.8 2.9	M	PLATE,METAL,15.3#, 3/8"THK X 48"WIDTH X 8'LENGTH, STEEL, ASTM A36	9B 9515 009173655	9		1/PM	3.2
027		2.8 2.9	M	PLATE,METAL,10.2#, 1/4"THK X 48"WIDTH X 8'LENGTH, STEEL, ASTM A36	9B 9515 009526280	9		1/PM	3.2
028		2.8 2.9	C	PLATE,METAL,15.3#, 3/8"THK X 60"WIDTH X 20'LENGTH, STEEL, MIL-S-22698, GRADE A	9B 9515 001533223	9		1/PM	3.2
029		2.8 2.9	C	PLATE,METAL,10.2#, 1/4"THK X 60"WIDTH X 20'LENGTH, STEEL, MIL-S-22698, GRADE A	9B 9515 001533184	9		1/PM	3.2
032	1	2.2	M	PLATE,METAL,PLATE, 7.65#	9B 9515 002671176	9	5237B106	168/SF	3.2
033	2	2.2	M	PLATE,METAL,PLATE, 10.2#	9B 9515 005962442	9	5237B107	19/SF	3.2
034	3	2.2	M	PLATE,METAL,PLATE, 20.4#	9B 9515 001533236	9	6005B096	1/SF	3.2

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MATERIAL LIST

ITEM NO.	PC NO.	REF NO.	M / C	DESCRIPTION	STOCK NUMBER	HAZ MAT	DOC NO.	QTY REQD/ UNIT	Para No.
035	4	2.2	M	ANGLE,STRUCTURAL,ANGLE, 3" X 2" X 1/4"	9B 9520 002774940	9	5239B024	9/LF	3.2
036	5	2.2	M	BAR,METAL,FLAT BAR, 3" X 1/4"	9B 9510 001891562	9	5239B017	88/LF	3.2
037	6	2.2	M	BAR,METAL,FLAT BAR, 6" X 1/4"	9B 9510 001891569	9	5239B025	6/LF	3.2
038	7	2.2	M	PIPE, SCHEDULE 40, 3,3" DIA X SCH40 X 240" A500B BARE	9B 4730	9		40/LF	3.2
039	8	2.2	M	PIPE, SCHEDULE 40,PIPE, SCHEDULE 40, 2 1/2" DIA X 72" A500 WELD	9B 4730	9		6/LF	3.2
040	9	2.2	M	PLATE, DIAMOND PATTE,0.25 X 48" X 48" TREAD PLATE	9B 9150	9		16/SF	3.2
041	1	2.3	M	DECK SOCKET,DECK SOCKET P/N F2002-1-1	9B 5345 SA2505077	9	5357E707	4/EA	3.2
042	2	2.3	M	STUD,TURNLOCK, FASTE, TWISTLOCK, P/N F476-R-C	9B 5325 014319310	9	6005B033	4/EA	3.2
043	3	2.3	M	PLATE,METAL,PLATE, 30.6#	9B 9515 002336268	9	5237B108	60/SF	3.2
044	1	2.4	M	DECK SOCKET,DECK SOCKET P/N F2002-1-1	9B 5345 SA2505077	9	5357E708	24/EA	3.2
045	2	2.4	M	STUD,TURNLOCK, FASTE, TWISTLOCK, P/N F476-R-C	9B 5325 014319310	9	6005B035	24/EA	3.2
046	3	2.4	M	PLATE,METAL,PLATE, 30.6#	9B 9515 002336268	9	5238B002	446/SF	3.2
047	4	2.4	M	BAR,METAL,FLAT BAR, 3" X 3/8"	9B 9510 001891594	9	5239B018	28/LF	3.2
048	5	2.4	M	FLAT BAR,FLAT BAR, 9" X 3/8"X 168"	9B 4730	9		28/LF	3.2
049	1	2.5	M	ANGLE,STRUCTURAL,ANGLE, 6" X 4" X 1/2"	9B 9520 002886073	9	6005B036	80/FT	3.2
050	2	2.5	M	ANGLE,ANGLE, 3 1/2" X 3" X 3/8", ASTM A36	9B 4730	9		70/LF	3.2
051	3	2.5	M	PLATE,METAL,PLATE, 15.3#	9B 9515 009259565	9	5237B109	18/SF	3.2
052	4	2.5	M	PLATE,METAL,PLATE, 20.4#	9B 9515 001533236	9	6005B100	20/SF	3.2
053	5	2.5	M	FLAT BAR,FLAT BAR 3/8" X 3-1/2" X 144" HR A36	9B 4730	9		36/LF	3.2
054	1	2.6	M	PLATE,METAL,PLATE, 15.3#	9B 9515 009259565	9	5237B110	1/SF	3.2
055	2	2.6	M	BAR,METAL,BAR, FLAT 6" X 1/4"	9B 9510 001891569	9	6005B037	30/LF	3.2
056	3	2.6	M	BAR,METAL,BAR, ROUND 1" DIA	9B 9510 001881743	9	5239B019	30/LF	3.2
057	4	2.6	M	CHANNEL,CHANNEL, 5' X 9# CCH 5" 9# 0.32" X 1.89" X 108" A36	9B 4730	9		9/LF	3.2
058	5	2.6	M	STRAP, RATCHET HOOK,STRAP, 2" WIDE, RATCHET W/ HOOKS	9B 5130 SA2505036	9	6023E310	8/EA	3.2
059	6	2.6	M	BOLT HEX,BOLT, HEX HD, 1/2"-13 UNC-2A, 93190A718	9B 5130 SAPHI0412	9	6023E311	4/EA	3.2
060	7	2.6	M	NUT,SELF-LOCKING,HE,NUT, SELF LOCKING, 1/2"-13 UNC-3B	9B 5310 013853803	9	6005B103	4/EA	3.2

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MATERIAL LIST

ITEM NO.	PC NO.	REF NO.	M / C	DESCRIPTION	STOCK NUMBER	HAZ MAT	DOC NO.	QTY REQD/ UNIT	Para No.
061	8	2.6	M	WASHER, FLAT, 1/2" D,WASHER, FLAT, 1/2" DIA, 92844A148	9B 5130 SA2505043	9	6023E312	8/PG	3.2
062	9	2.6	M	WELD BUNG, 3/8" NPT,,WELD BUNG, 3/8" NPT, FEMALE 12555K72	9B 5130 SA2505044	9	6023E313	2/EA	3.2
063	10	2.6	M	VALVE, STOPCOCK, STOPCOCK VALVE, 3/8" NPT, MALE, 4921K34	9B 4730 SA2505041	9	6023E314	2/EA	3.2
064	11	2.6	M	BAR,METAL,BAR, ROUND 1/2" DIA	9B 9510 001881739	9	5239B020	7/LF	3.2
065	12	2.6	M	GASKET, NEOPRENE, 1/16" THICK X 1" WIDE, 3 EA OF 1" X 36" X 1/16", 50 DUROMETER 3 EA = 9 LF	9B 5330 SA2505030	9	6023E315	9/LF	3.2
066	1	2.10	M	TUBE,METALLIC,PIPE, 2" SCH 40	9B 4710 005422908	9	6005B038	121/LF	3.2
067	2	2.10	M	PLATE, 3/16" DIAMOND,PLATE, 3/16" DIAMOND, ADP 5086 H34 0.188" X 36" X 48"	9B 9530	9		12/LF	3.2
068	3	2.10	M	PIPE,METALLIC,PIPE, 2 1/2" SCH 40	9B 4710 008925913	9	6005B039	1/LF	3.2
069	4	2.10	M	BOLT, HEX HD,BOLT, HEX HD, 1/2"-13 UNC-2A, 92186A727	9B 5330	9		2/EA	3.2
070	5	2.10	M	NUT,SELF-LOCKING,HE,NUT, SELF-LOCKING, 1/2"-13 UNC-3B	9B 5310 013853803	9	6005B104	2/EA	3.2
071	6	2.10	M	WASHER,FLAT WASHER, 1/2" DIA, 92141A232	9B 5330 SA2505042	9	6023E316	4/EA	3.2
072	7	2.10	M	ROUND BAR, 1/2" DIA,ROUND BAR, 1/2" DIA, 0.5" X 36" 5086 H111 EXT. ASTM B221	9B 9530	9		3/LF	3.2
074	9	2.10	M	BACKING PLATE, 1/4", BACKING PLATE, 1/4" X 2" FLAT BAR, ALUM 5086	9B 9515	9		8/LF	3.2
075	10	2.10	M	EPOXY, 3M SCOTCH-W, EPOXY, 3M SCOTCH–WELD	9B 5130	9		1/EA	3.2
076	11	2.10	M	FENDER, EXTRUDED RUB,FENDER, EXTRUDED RUBBER MARINE, 75 DUROMETER	9B 2040	9		1/LF	3.2
077	12	2.10	M	THREADED ROD,STUD, 3/8"-16 UNC-2A, 95412A640	9B 5330 SA2505063	9	6023E317	2/EA	3.2
078	13	2.10	M	NUT,SELF-LOCKING,HE,NUT, SELF LOCKING, 3/8"-16 UNC-3B	9B 5310 015527422	9	6005B106	2/EA	3.2
079	14	2.10	M	WAHSER,,WASHER, FLAT, 3/8" DIA, 90107A127	9B 5310 016637424	9	6005B146	2/EA	3.2
080	15	2.10	M	CLEAT, HORN, 16",CLEAT, HORN, 16", MAZZELA P/N S1139-16	9B 2040	9		1/EA	3.2
081	16	2.10	M	BAR,METAL,ROUND BAR, 1/2" DIA	9B 9510 001881739	9	6005B111	2/LF	3.2
082	17	2.10	M	TIE-DOWN STRAP, 2" W, TIE-DOWN STRAP, 2" WIDE, L = 12', 31025T455	9B 5330 SA2505040	9	6023E318	2/EA	3.2

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MATERIAL LIST

ITEM NO.	PC NO.	REF NO.	M / C	DESCRIPTION	STOCK NUMBER	HAZ MAT	DOC NO.	QTY REQD/ UNIT	Para No.
083	1	2.11	M	SHEET,METAL,PLATE, 5.1#	9B 9515 002375409	9	5237B111	2/SF	3.2
084	2	2.11	M	PLATE,METAL,PLATE, 7.65#	9B 9515 002671176	9	5237B112	17/SF	3.2
085	3	2.11	M	PLATE,METAL,PLATE, 10.2#	9B 9515 005962442	9	5237B113	5/SF	3.2
086	4	2.11	M	PLATE,METAL,PLATE, 15.3#	9B 9515 009259565	9	5237B114	10/SF	3.2
087	5	2.11	M	PLATE,METAL,PLATE, 20.4#	9B 9515 001533236	9	6005B113	9/SF	3.2
088	6	2.11	M	I-BEAM, W8 X 24#,I-BEAM, W8 X 24# A36	9B 9515	9		20/LF	3.2
089	7	2.11	M	BAR,METAL,ROUND BAR, 1"	9B 9510 001881743	9	5239B021	4/LF	3.2
090	8	2.11	M	PIPE, SCHED 80, 8" D,PIPE, SCHED 80, 8" DIA, ASTM A500	9F 4730	9		18/LF	3.2
091	9	2.11	M	PIPE, SCHED 80, 10" ,PIPE, SCHED 80, 10" DIA, ASTM A500	9B 4730	9		4/LF	3.2
092	10	2.11	M	ROUND BAR,12 INCH OUTSIDE DIA, 36 INCHES LENGTH, MATERIAL: LEADED TIN BRONZE (C92300, SAE-CA923)	9B 4730	9		1/EA	3.2
093	11	2.11	M	ROUND BAR,12 INCH OUTSIDE DIA, 36 INCHES LENGTH, MATERIAL: LEADED TIN BRONZE (C92300, SAE-CA923)	9B 4730	9		1/EA	3.2
095	13	2.11	M	DRIVE RIVET, 1/8" DI,DRIVE RIVET, 1/8" DIA, 97550A101	9B 5130 SA2505029	9	6023E319	8/EA	3.2
096	14	2.11	M	PULLEY,HANGING PULLEY, 5/16" DIA ROPE, 3213T12	9B 3020 SA2505034	9	6023E320	2/EA	3.2
097	15	2.11	M	PIN, COTTER,CLEVIS PIN, LOOP GRIP, 1" DIA, 98412A486	9B 5330 SA2505033	9	6023E321	2/EA	3.2
098	16	2.11	M	WIRE ROPE, 1/8" DIA,WIRE ROPE, 1/8" DIA, 3461T46, LENGTH = 25 FT	9B 4010 SA4777031	9	6023E322	5/LF	3.2
099	17	2.11	M	SWAGING, SLEEVE, WIRE, COMPRESSION SLEEVE FOR 1/8" DIA, 3883T43	9B 4030 016329001	9	6005B040	6/EA	3.2
100	10	2.11	M	SHACKLE, SAFETY PIN, SHACKLE, SAFETY PIN, 7/8" THICK, 3860T28	9B 4030 SA2301181	9	6023E323	6/EA	3.2
101	19	2.11	M	WIRE ROPE, 6X19 IWRC,WIRE ROPE, 6X19 IWRC, 5/16" DIA, 1549N13, LENGHT 100 FT	9B 4010 SA2505046	9	6023E324	60/LF	3.2
102	20	2.11	M	HAND WINCH,HAND WINCH, MANUAL, MECHANICAL BRAKE MC MASTER PART-NUMBER 23145T22 IS EQUAL TO M4312PBSS 2,000 LBS CAPACITY	9B 3950 SA2505031	9	6023E325	2/EA	3.2
103	21	2.11	M	THIMBLES, FOR 5/16" , THIMBLES, FOR 5/16" DIA, ROPE, 3495T15	9B 5330 SA2505039	9	6023E326	2/EA	3.2
103	21	2.11	M	THIMBLES,THIMBLES, FOR 5/16"THIMBLES, FOR 5/16" DIA ROPE 3495T15	9B 5330 SA2505039	9	6023CS27	2/EA	3.2

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YON-285	BARGE		89MVA15004		A01

TITLE:

SHIPALT YON-0123D; accomplish

MATERIAL LIST

ITEM NO.	PC NO.	REF NO.	M / C	DESCRIPTION	STOCK NUMBER	HAZ MAT	DOC NO.	QTY REQD/ UNIT	Para No.
104	22	2.11	M	SHACKLE, SCREW PIN, SHACKLE, SCREW PIN, 3/8" THICK, 3583T12	9B 4030 SA2300311	9	6013E950	4/EA	3.2
105	23	2.11	M	SLEEVE,COMPRESSION SLEEVE FOR 5/16" DIA ROPE 3897T11 PACK OF 5	9B 4730 SA2505035	9	6023E327	2/EA	3.2
106	F-1	2.9	M	10", CAP, BTWLD,10", CAP, BTWLD, ANSI B16.9, SIM TO HACKNEY/LADISH, TORK SYSTEM PART-NUMBER M118114	9B 4730 SA2505106	9	6027PS02	2/EA	3.2
107	F-2	2.9	M	4", CAP, BTWLD,4", CAP, BTWLD, ANSI B16.9, SIM TO HACKNEY/LADISH, TORK SYSTEM PART-NUMBER M118106	9B 4730 SA2505105	9	6027PS06	8/EA	3.2
108	F-3	2.9	M	1 1/2", CAP, 3000 LB,1 1/2", CAP, 3000 LB, SWLDG, GRADE II, SIM TO HACKNEY/LADISH, TORK SYSTEM PART-NUMBER M119293	9B 4730 SA2505108	9	6027PS03	8/EA	3.2
109			M	SCREW,CAP,HEXAGON H,P/N: 92865A624 FOR HAND WINCH	9B 5305 015329137 SX	9	6014B102	1/HD	3.2
110			M	WASHER,FLAT,P/N: 98180A130 FOR HAND WINCH	9B 5310 015166853	9	6014B103	8/EA	3.2
111			M	NUT,SELF,P/N: MS17828-06C FOR HAND WINCH	9B 5310 007015786	9	6012B075	4/EA	3.2
150			M	ELECTROD,WELDING, 3/32 INCH DIA, 14 INCH LG, 7018-M, MIL-E-22200/10, U/I; 10LBS/CN, P/N; 255014102	9G 3439 SA4742861	9		10/CN	3.2
151			M	ELECTROD,WELDING, 1/8 INCH DIA, 14 INCH LG, 7018-M, MIL-E-22200/10, U/I; 10LBS/CN, P/N; 255014110	9G 3439 SA4742863	9		10/CN	3.2
152	3 1 1	2.5 2.6 2.7	M	PLATE,METAL,15.3#, 3/8 INCH THK, 8 FT X 10 FT, ASTM A36	9Z 9515 SAMS00375	9		1/PM	3.2
153	5	2.5	M	BAR FLAT,3/8 INCH THK X 3-1/2 INCH WIDTH, 10 FT LG PER EACH, ASTM A36	9B 9515	9		3/EA	3.2
154	2	2.5	M	ANGLE,3/8 INCH THK X 3-1/2 INCH X 3 INCH, 10 FT LG PER EACH, ASTM A36	9B 9520	9		3/EA	3.2
155	1	2.5	M	ANGLE,STRUCTURAL,6 INCH X 4 INCH X 1/2 INCH THK, ASTM A36	9B 9520 002886073	9		40/FT	3.2
156	2	2.6	M	BAR,METAL,FLAT BAR, 1/4 INCH THK X 6 INCH WIDTH, ASTM A36	9B 9510 001891569	9		30/FT	3.2
157	3	2.6	M	BAR,METAL,ROUND BAR, 1 INCH DIA, ASTM A36	9B 9510 001881743	9		30/FT	3.2
158	4	2.6	M	CHANNEL,5 INCH WIDTH, C5X9, 6 FT LG, ASTM A36, P/N: 7779T59	9B 9520	9		3/EA	3.2

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YON-285	BARGE		89MVA15004		A01

TITLE:

SHIPALT YON-0123D; accomplish

MATERIAL LIST

ITEM NO.	PC NO.	REF NO.	M / C	DESCRIPTION	STOCK NUMBER	HAZ MAT	DOC NO.	QTY REQD/ UNIT	Para No.
160			M	ELECTROD,WELDING ROD, 7018M, 3/32"DIA X 14"L, 10LB/CN, MIL-E-22200/10, P/N: 255014102	9G 3439 SA4742861	9		30/CN	3.2
161			M	ELECTROD,WELDING ROD, 7018M, 1/8"DIA X 14"L, 10LB/CN, MIL-E-22200/10, P/N: 255014110	9G 3439 SA4742863	9		30/CN	3.2
162	1	2.2	M	SHEET,METAL,3/16"THK X 48"W X 12FT LG, STEEL, ASTM A36	9B 9515 012677569	9		5/SH	3.2
163	2	2.2	M	PLATE,METAL,1/4"THK X 48"W X 12FT LG, STEEL, ASTM A36	9B 9515 009528564	9		2/PM	3.2
164	3	2.2	M	PLATE, METAL,1/2"THK X 48"W X 8FT LG, STEEL, ASTM A36	9B 9515 009695124	9		1/PM	3.2
165	4	2.2	M	ANGLE,STRUCTURAL,3"W X 2"H X 1/4"THK, STEEL, ASTM A36	9B 9520 002774940	9		30/FT	3.2
166	5	2.2	M	BAR,METAL,FLAT, 3"W X 1/4"THK, STEEL, ASTM A36	9B 9510 001891562	9		22/FT	3.2
167	6	2.2	M	BAR,METAL,FLAT, 6"W X 1/4"THK, STEEL, ASTM A36	9B 9510 001891569	9		16/FT	3.2
168	7	2.2	M	PIPE, METALLIC,SCH40, 3"DIA, OSS, ASTM A500 GRADE B	9B 4730	9		20/FT	3.2
169	9	2.2	M	PLATE,FLOOR,METAL,1/4"THK X 48"W X 8FT LG, STEEL, DIAMOND PATTERN, PATTERN 2, ASTM A786	9B 9515 001873960	9		1/PM	3.2
170	3 3	2.3 2.4	M	PLATE,METAL,3/4"THK X 48"W X 8FT LG, STEEL, ASTM A36	9B 9515 000756918	9		22/PM	3.2
171			C	PLATE,METAL,3/8"THK X 48"W X 8FT LG, STEEL, ASTM A36	9B 9515 009173655	9		1/PM	3.2
201			M	ROD,WELD,WELDING ELECTRODE, 1/16 X 36, MIL-70S-2, MIL-E-23765/1, CL.6, GTAW, 5 LB/CO	9B 3439 009008737	H	6021B167	2/CO	3.2
202			M	BACKING RING,BACKING RING, 4" NPS, SCH-40, STANDARD WELDRING NAVAL MIL-STD-22 FIG.63 (A), C-STEEL ASTM A106	9C 4730 SA4836779	9		10/EA	3.2
203			M	BACKING RING,BACKING RING, 10" NPS, SCH-40, STANDARD WELDRING NAVAL MIL-STD-22 FIG.63 (A), C-STEEL ASTM A106	9C 4730 SA4836779	9		3/EA	3.2
204			C	2 1/2", CAP, 3000 LB,CAP, 2-1/2" IPS, C-STEEL A105, #3000, ANSI B16.11, SOCKET WELD W & O PART NUMBER: 622154250, SKU PART NUMBER: K3SWC2.5	9B 4730 SAPKI0024	9	6027PS08	8/EA	3.2

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TITLE:

SHIPALT YON-0123D; accomplish

MATERIAL LIST

ITEM NO.	PC NO.	REF NO.	M / C	DESCRIPTION	STOCK NUMBER	HAZ MAT	DOC NO.	QTY REQD/ UNIT	Para No.
205			C	4", CAP, BTWLD,4", CAP, BTWLD, ANSI B16.9, SIM TO HACKNEY/LADISH, HACKNEY/LADISH PART NUMBER: 806-1033, TORK SYSTEM PART-NUMBER M118106	9B 4730 SA2505105	9	6027PS05	8/EA	3.2
206			C	10", CAP, BTWLD,10", CAP, BTWLD, ANSI B16.9, SIM TO HACKNEY/LADISH, HACKNEY/LADISH PART NUMBER: 806-1913, TORK SYSTEM PART-NUMBER: M118114	9B 4730 SA2505106	9	6027PS04	4/EA	3.2
207			C	3", CAP, BTWLD,3", CAP, BTWLD, ANSI B16.9, SIM TO HACKNEY/LADISH, TORK SYSTEM PART-NUMBER M118102	9B 4730 SA2505107	9	6027PS07	2/EA	3.2
301			M	ELECTRODE,WELDING,7018M, SMAW, 1/8"DIA X 14"LG, 10LB/CN, MIL-E-22200/10, P/N: 255014110	9G 3439 SA4742863	9		12/CN	3.2
302			M	ELECTRODE,WELDING,7018M, SMAW, 3/32"DIA X 14"LG, 10LB/CN, MIL-E-22200/10, P/N: 255014102	9G 3439 SA4742861	9		8/CN	3.2
303			M	ELECTRODE,WELDING,7018M, SMAW, 5/32"DIA X 14"LG, 10LB/CN, MIL-E-22200/10, P/N: 255014128	9G 3439 SA4742865	9		4/CN	3.2
304			M	ROD,WELDING,MIL-E-23765-1, TYPE: MIL-70S-2, 1/16"DIA X 36"LG, 5LB/CO	9B 3439 009008737	H		12/CO	3.2
305			M	WELDING ROD,MIL-E-19933 CLASS-2, 309L, GTAW, 1/16"DIA X 39"LENGTH, 5KG(11LB)/CN	9B 3439 SA2310011	9		1/CN	3.2
306			M	ROD,WELDING,AL 5356, 1/16"DIA X 36"LG, 10LB/CN, AWS A5.10, CL ER5356 ASSN STD SINGLE MATERIAL RESPONSE FILLER	9B 3439 012435257	H		5/CN	3.2
307			M	ROD,WELDING,AL 5356, 3/32"DIA X 36"LG, 10LB/CO, AWS A5.10, CL ER5356 ASSN STD SINGLE MATERIAL RESPONSE FILLER	9B 3439 010123285	H		3/CO	3.2
308			M	ROD,WELDING,AL 5356, 1/8"DIA X 36"LG, 10LB/CO, AWS A5.10, CL ER5356 ASSN STD SINGLE MATERIAL RESPONSE FILLER	9B 3439 000635200	H		2/CO	3.2
309	1	2.10	M	TUBE,METALLIC,2"NPS, SCHEDULE 40, 2.375"OD X 0.154"W/T, ALMINUM ALLOY 5086 H32, WW-T-700/5, SEAMLESS, 20 FT CONTINUOUS LENGTH	9B 4710 005422908	9		20/FT	3.2

Ship/HULL NO.	Ship/HULL NAME	JON:	ICN:	Rev:	Key Op:
YON-285	BARGE		89MVA15004		A01

TITLE:

SHIPALT YON-0123D; accomplish

MATERIAL LIST

ITEM NO.	PC NO.	REF NO.	M / C	DESCRIPTION	STOCK NUMBER	HAZ MAT	DOC NO.	QTY REQD/ UNIT	Para No.
310	1	2.10	M	TUBE,METALLIC,2"NPS, SCHEDULE 40, 2.375"OD X 0.154"W/T, ALMINUM ALLOY 5086 H32, WW-T-700/5, SEAMLESS, 20 FT CONTINUOUS LENGTH	9B 4710 005422908	9		20/FT	3.2
501	1	11	M	PLATE,METAL,PLATE,METAL, 15.3#, 3/8"THK, ASTM A36, OSS, 5 FT X 10 FT X 6 PM	9B 9515	9		300/SF	3.2
502	2	11	M	ANGLE,ANGLE, 3" X 3" X 3/8", ASTM A36, OSS	9B 9520	9		200/LF	3.2
503	3	11	M	ROUND BAR,ROUND BAR, 3/8" DIA, ASTM A36, ASTM A36, OSS	9B 9510	9		55/LF	3.2

SHIP/HULL NO.: BARGE / YON-285	JON:	ICN:	Rev:	Key Op:	
T.P FILE NO.: 61111-3-100_26061D		89MVA15004	00	A01	Page 1 of 7

SHIP REPAIR FACILITY – JAPAN REGIONAL MAINTENANCE CENTER
DET SASEBO TEST PROCEDURE

TITLE:

LOAD HANDLING DAVIT – LOAD TEST

JCN: N/A

CWP: N/A

TEST PROCEDURE PREPARATION

	PRINT NAME & SIGNATURE	PHONE	CODE	DATE
PREPARED BY	N. MATSUMOTO MATSUMOTO.NAOYA.1630608089 Digitally signed by MATSUMOTO.NAOYA.1630608089 Date: 2026.01.13 13:50:34 +09'00'	252-8053	S246F	13-Jan-2026
REVIEWED BY	S. IIDA IIDA.SHUNICHI.1274619127 Digitally signed by IIDA.SHUNICHI.1274619127 Date: 2026.01.13 13:52:21 +09'00'	252-8045	S246A	13-Jan-2026
APPROVED FOR ISSUE	S. PHILLIPS PHILLIPS.SHAUN.PARRY.1093485625 Digitally signed by PHILLIPS.SHAUN.PARRY.1093485625 Date: 2026.01.14 16:25:32 +09'00'	252-8049	S246CTE	14-Jan-2026

PROCEDURE COMPLETED

	PRINT NAME & SIGNATURE	COMPANY NAME	BADGE/RANK	DATE
LWC				
S246		SRF-JRMC DET SASEBO		

CERTIFICATION REVIEW AND APPROVAL OF TEST RESULTS

	PRINT NAME & SIGNATURE	PHONE	CODE	DATE
REVIEWED BY	(Test Certified Complete and Test Results Satisfactory) S. IIDA	252-8045	S246A	
TEST CODE	(Test Results Reviewed and Approved)		S246CTE	

COMMENTS:

SHIP/HULL NO.: **BARGE / YON-285**	JON:	ICN:	Rev:	Key Op:	
T.P FILE NO.: **61111-3-100_26061D**		**89MVA15004**	**00**	**A01**	Page **2** of **7**

TEST PROCEDURE GENERAL NOTES

1. **TEST SEQUENCE:** Unless otherwise specified in the test document, this test procedure (TP) shall be completed in provided order.

2. **VERIFICATION:** The person designated to sign for an action verifies, based on personal observation, objective evidence, or watch stander reports and certifies by signature that the action has been performed in accordance with the specified requirements.

3. **USE ORIGINAL DOCUMENTS:** All data attached to the Master TP shall have original pen and ink entries on the data sheets (unless otherwise specified in the test procedure).

4. **USE DARK INK:** All signature and data shall be in dark, water insoluble ink.

5. **CORRECTIONS:** When an error was made, it shall be corrected by drawing a single line through the error, recording the correct entry, initialing, dating and printing the name of the person making the correction in accordance with JOINT FLEET MAINTENANCE MANUAL (JFMM), COMUSFLTFORCOMINST 4790.3, VOLUME V, QUALITY MAINTENANCE.

6. **LATEST APPLICABLE REVISION:** Use the latest applicable revision of plans, instructions, technical manuals, and other reference material cited in this test procedure.

7. **INSTRUMENT CALIBRATION:** All measuring equipment shall be in current calibration as required by NAVSHIPREPFACINST 4734.1.

8. **OPERATION OF COMPONENTS:** Only authorized personnel shall operate ship's permanently installed equipment. **The** cognizant Shop shall control and operate their temporary test equipment. Ship's Force shall operate temporary systems and equipment formally turned over to the ship.

9. **SAFETY INSTRUCTION:** The Test Director is responsible for the safe conduct of this test. The safety precautions of NAVSHIPREPFAC M-5100.8 shall be observed at all times.

10. **TEST STOPPAGE:** The Test Director shall stop the test once a problem has been found in the system or equipment being tested.

11. **ENERGIZED EQUIPMENT:** NSTM 300, para 300-2.4 shall be followed when working on energized equipment.

12. **DATA COLLECTION:** The test documents may require collection of additional data for which there is no acceptance criteria, provided the data sheet identifies that data is for information only.

13. **SUPPLEMENTATION:** When supplementation is made, annotate the supplemental information on the page with 'See Remarks' followed by a sequential numbering system corresponding in the Remarks section.

14. **USE ASTERISK (*):** When supplementation, correction and/or signature is made but there is not enough space, annotate using an asterisk (*) followed by sequential number adjacent to the portion then clarify on the same page using the same annotation.

LOAD HANDLING DAVIT – LOAD TEST

1. PURPOSE

1-1 The purpose of this test is to certify the newly fabricated two (2) Load Handling Davit for accomplishment of SHIPALT YON-0123D. See Table 1-1 and Figure 1-1 for the location of the davit and socket.

Table 1-1: Item to be tested

Item	ID	Location	Safe Working Load
LOAD HANDLING DAVIT	D1	Frame 5, STBD	1,200 LBS
	D2	Between Frame 15 and 16, PORT	1,200 LBS

2. REFERENCES

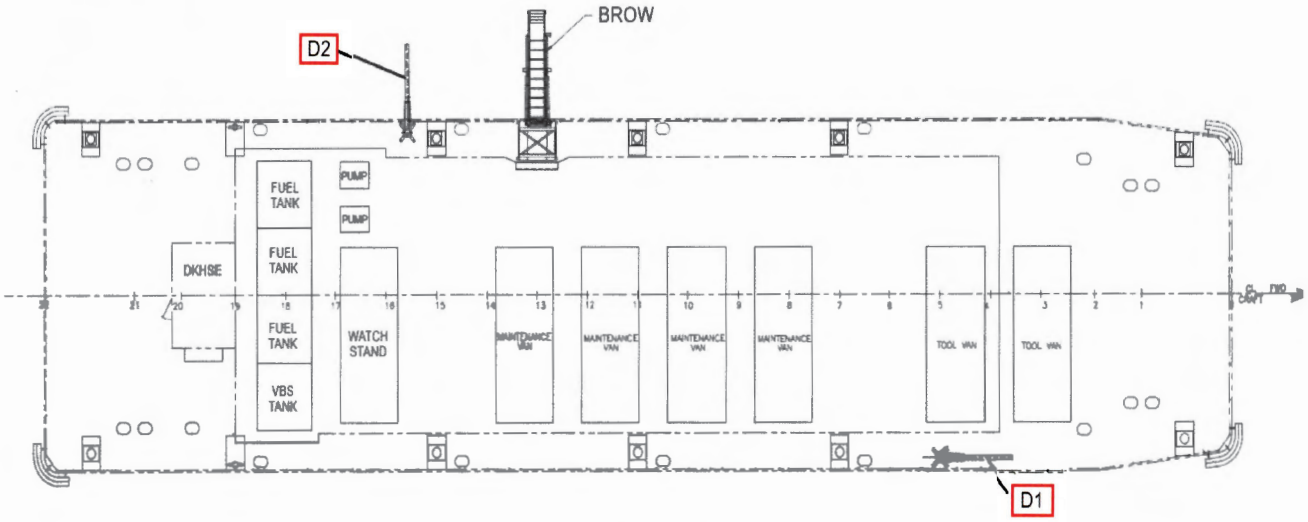

Figure 1-1

2-1 NAVSEA DRAWING

2-1.1 589-8970268; S/A YON-0123D J-BAR DAVIT INSTALLATIONS INCIDENTAL BARGE CONVERSION

2-1.2 803-1645271; LOAD HANDLING DAVITS 500 TO 3000 POUNDS ALUMINUM AND STEEL

2-2 GSO-GENERAL SPECIFICATIONS FOR OVERHAUL OF SURFACE SHIPS; S9AA0-AB-GOS-010

2-2.1 SEC 092; SHIPBOARD TESTS

2-2.2 SEC 611; HULL FITTINGS

2-3 JFMM-JOINT FLEET MAINTENANCE MANUAL

2-4 NAVSHIPREPFAC M-5100.8; SAFETY AND HEALTH PROGRAM MANUAL

3. TEST AND SUPPORT EQUIPMENT/MATERIAL

3-1 Barge (as needed)

3-2 Test weight

3-3 The necessary rigging gear (e.g., Sling, Shackle, Chain Hoist)

3-4 Dynamometer

3-5 Support hoisting device (e.g. Crane)

3-6 Stopwatch

3-7 Warning signs, ropes and/or barricades to ensure area affected by load testing is secured

4. GENERAL PRECAUTIONS

4-1 Only those personnel actively engaged in performing or witnessing this test shall be permitted in the testing area. All specified safety regulations shall be strictly observed.

4-2 To prevent injury or death, ensure that proper test equipment is used during load testing.

4-3 Safeguarding of personnel and equipment shall be adhered to at all times.

5. SHIPBOARD TEST

5-1 PRETEST BRIEFING Conduct a pre-test briefing (e.g., safety precaution, station assignments, testing steps) with all involved test personnel.

5-2 TMDE Record all Test, Measuring & Diagnostic Equipment (TMDE) type, range, serial number and calibration due date. TMDE shall be calibrated and has not expired.

5-3 LOAD HANDLING DAVIT LOAD TEST Conduct load test as follows and record the data & result in the TEST DATA SHEET.

5-3.1 PRE-TEST INSPECTION Visually inspect davit assembly including socket and davit, and its supporting structure.

Acceptance criteria: *There shall be no damage, deformation, or cracking of davit assembly components or supporting structure.*

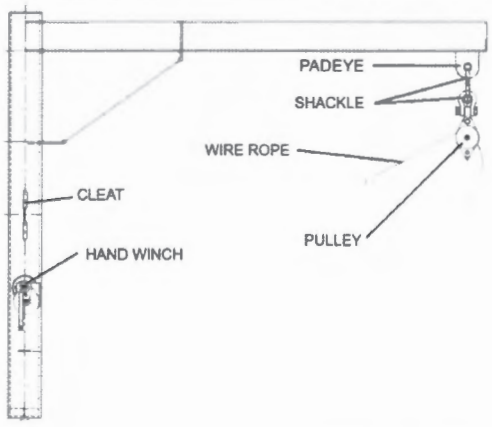

Figure 5-1: Load Handling Davit

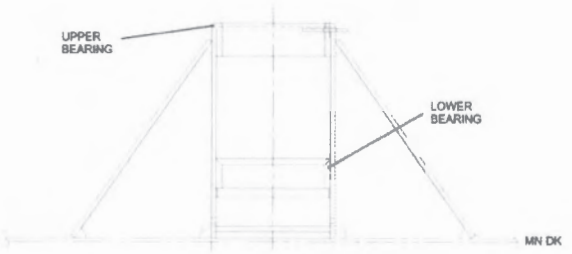

Figure 5-2: Davit Socket

CAUTION
DO NOT ROTATE THE DAVIT WITH THE STATIC LOAD ON IT.

5-3.2 STATIC LOAD TEST Conduct static load test as follows.

(1) Prepare a 2,400 – 2,520 pounds test load including rigging gear and verify the actual total weight in advance using a dynamometer.

(2) Remove the wire rope, shackle and pulley from the davit, if installed.

(3) Slowly suspend the static test load from the davit padeye. The load shall be held in one position for 10 minutes.

(4) After 10 minutes, slowly release the test load.

(5) Visually inspect davit assembly including socket and davit, and its supporting structure.

Acceptance criteria: *There shall be no damage, deformation, or cracking of davit assembly components or supporting structure.*

5-3.3 DYNAMIC LOAD TEST Conduct dynamic load test as follows.

(1) Prepare an 1,800 – 1,890 pounds test load including rigging gear and verify the actual total weight in advance using a dynamometer.

(2) Remove the wire rope, shackle and pulley from the davit, if installed.

(3) Slowly suspend the dynamic test load from the davit padeye. The load shall be trained twice (2) through the entire davit working range.

(4) Slowly release the test load.

(5) Visually inspect davit assembly including socket and davit, and its supporting structure.

Acceptance criteria: *There shall be no damage, deformation, or cracking of davit assembly components or supporting structure.*

5-4 Repeat paragraph 5-3 for remaining Load Handling Davit listed in Table 1-1.

5-5 LWC and S246 shall sign the TEST DATA SHEET upon completion of all tests.

6. MARKING

6-1 TEST LABEL PLATE Upon satisfactory completion of inspections and tests, manufacture and install the Test Label Plate as follows. Sample of Label Plate is provided in Figure 6-1.

6-1.1 Test Label Plate shall be stamped, etched or engraved Corrosion Resistance Steel (CRES). Marking shall include the test date (Example; 2026/JAN).

6-1.2 Label plate shall be secured to the davit with four 1/8 inch DIA drive rivet on where opposite side of the cleat.

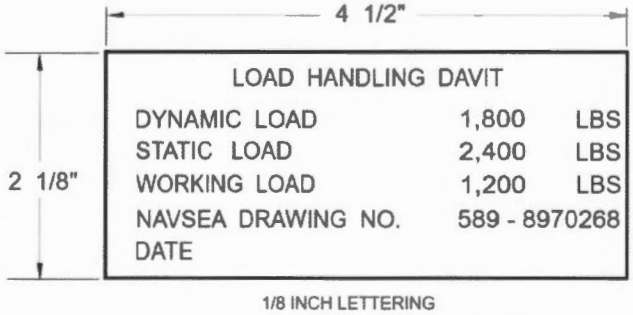

Figure 6-1: Sample of Label Plate

SHIP/HULL NO.: **BARGE / YON-285**	JON:	ICN:	Rev:	Key Op:	
T.P FILE NO.: **61111-3-100_26061D**		**89MVA15004**	**00**	**A01**	Page **6** of **7**

7. TEST PROCEDURE COMPLETION

7-1 Sign the test procedure coversheet to confirm that the test procedure has been fulfilled and completed and return it to S246 for review and approval.

8. REMARKS

SHIP/HULL NO.: **BARGE / YON-285**	JON:	ICN:	Rev:	Key Op:	
T.P FILE NO.: **61111-3-100_26061D**		**89MVA15004**	**00**	**A01**	Page **7** of **7**

TEST DATA SHEET

5-2 TMDE

EQUIPMENT TYPE /	RANGE /	SERIAL NO. /	CAL. DUE DATE

5-3.1 PRE-TEST INSPECTION

ACCEPTANCE CRITERIA	DAVIT ID	RESULT
There shall be no damage, deformation, or cracking of davit assembly components or supporting structure.	**D1**	☐ SAT / ☐ UNSAT
	D2	☐ SAT / ☐ UNSAT

5-3.2 STATIC LOAD TEST

ACCEPTANCE CRITERIA	DAVIT ID	DATA & RESULT
• *Test load: 2,400 -2,520 pounds,* • *Test duration: 10 minutes* • *There shall be no damage, deformation, or cracking of davit assembly components or supporting structure.*	**D1**	Test Load _____ pounds Duration _____ minutes : ☐ SAT / ☐ UNSAT
	D2	Test Load _____ pounds Duration _____ minutes : ☐ SAT / ☐ UNSAT

5-3.3 DYNAMIC LOAD TEST

ACCEPTANCE CRITERIA	DAVIT ID	DATA & RESULT
• *Test load: 1,800 – 1,890 pounds,* • *Test cycle: Twice* • *There shall be no damage, deformation, or cracking of davit assembly components or supporting structure.*	**D1**	Test Load _____ pounds Test cycle _____ times : ☐ SAT / ☐ UNSAT
	D2	Test Load _____ pounds Test cycle _____ times : ☐ SAT / ☐ UNSAT

5-4 COMPLETION OF THE TEST

RESPONSIBILITY	PRINT NAME & SIGNATURE & DATE
LWC	
S246	

SHIP/HULL NO.: **BARGE / YON-285**	JON:	ICN:	Rev:	Key Op:	
T.P FILE NO.: **61111-4-100_26061C**		**89MVA15004**	**00**	**A01**	Page 1 of 6

SHIP REPAIR FACILITY – JAPAN REGIONAL MAINTENANCE CENTER
DET SASEBO TEST PROCEDURE

TITLE:	JCN: N/A
CLEAT – LOAD TEST	CWP: N/A

TEST PROCEDURE PREPARATION

PRINT NAME & SIGNATURE		PHONE	CODE	DATE
PREPARED BY	N. MATSUMOTO MATSUMOTO.NAOYA.1630608089 Digitally signed by MATSUMOTO.NAOYA.1630608089 Date: 2026.01.13 12:52:16 +09'00'	252-8053	S246F	13-Jan-2026
REVIEWED BY	S. IIDA IIDA.SHUNICHI.1274619127 Digitally signed by IIDA.SHUNICHI.1274619127 Date: 2026.01.13 13:37:07 +09'00'	252-8045	S246A	13-Jan-2026
APPROVED FOR ISSUE	S. PHILLIPS PHILLIPS.SHAUN.PARRY.1093485625 Digitally signed by PHILLIPS.SHAUN.PARRY.1093485625 Date: 2026.01.14 16:24:36 +09'00'	252-8049	S246CTE	14-Jan-2026

PROCEDURE COMPLETED

PRINT NAME & SIGNATURE	COMPANY NAME	BADGE/RANK	DATE
LWC			
S246	SRF-JRMC DET SASEBO		

CERTIFICATION REVIEW AND APPROVAL OF TEST RESULTS

PRINT NAME & SIGNATURE		PHONE	CODE	DATE
REVIEWED BY	(Test Certified Complete and Test Results Satisfactory) S. IIDA	252-8045	S246A	
TEST CODE	(Test Results Reviewed and Approved)		S246CTE	

COMMENTS:

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SHIP/HULL NO.: **BARGE / YON-285**	JON:	ICN:	Rev:	Key Op:	
T.P FILE NO.: **61111-4-100_26061C**		**89MVA15004**	**00**	**A01**	Page 2 of 6

TEST PROCEDURE GENERAL NOTES

1. **TEST SEQUENCE:** Unless otherwise specified in the test document, this test procedure (TP) shall be completed in provided order.

2. **VERIFICATION:** The person designated to sign for an action verifies, based on personal observation, objective evidence, or watch stander reports and certifies by signature that the action has been performed in accordance with the specified requirements.

3. **USE ORIGINAL DOCUMENTS:** All data attached to the Master TP shall have original pen and ink entries on the data sheets (unless otherwise specified in the test procedure).

4. **USE DARK INK:** All signature and data shall be in dark, water insoluble ink.

5. **CORRECTIONS:** When an error was made, it shall be corrected by drawing a single line through the error, recording the correct entry, initialing, dating and printing the name of the person making the correction in accordance with JOINT FLEET MAINTENANCE MANUAL (JFMM), COMUSFLTFORCOMINST 4790.3, VOLUME V, QUALITY MAINTENANCE.

6. **LATEST APPLICABLE REVISION:** Use the latest applicable revision of plans, instructions, technical manuals, and other reference material cited in this test procedure.

7. **INSTRUMENT CALIBRATION:** All measuring equipment shall be in current calibration as required by NAVSHIPREPFACINST 4734.1.

8. **OPERATION OF COMPONENTS:** Only authorized personnel shall operate ship's permanently installed equipment. The cognizant Shop shall control and operate their temporary test equipment. Ship's Force shall operate temporary systems and equipment formally turned over to the ship.

9. **SAFETY INSTRUCTION:** The Test Director is responsible for the safe conduct of this test. The safety precautions of NAVSHIPREPFAC M-5100.8 shall be observed at all times.

10. **TEST STOPPAGE:** The Test Director shall stop the test once a problem has been found in the system or equipment being tested. S246 Testing Standard Operating Procedure (SOP) shall be used to determine course of action prior to resuming the test procedure.

11. **ENERGIZED EQUIPMENT:** NSTM 300, para 300-2.4 shall be followed when working on energized equipment.

12. **DATA COLLECTION:** The test documents may require collection of additional data for which there is no acceptance criteria, provided the data sheet identifies that data is for information only.

13. **SUPPLEMENTATION:** When supplementation is made, annotate the supplemental information on the page with 'See Remarks' followed by a sequential numbering system corresponding in the Remarks section.

14. **USE ASTERISK (*):** When supplementation, correction and/or signature is made but there is not enough space, annotate using an asterisk (*) followed by sequential number adjacent to the portion then clarify on the same page using the same annotation.

SHIP/HULL NO.: **BARGE / YON-285**	JON:	ICN:	Rev:	Key Op:	
T.P FILE NO.: **61111-4-100_26061C**		**89MVA15004**	**00**	**A01**	Page 3 of 6

CLEAT – LOAD TEST

1. PURPOSE

1-1 The purpose of this test is to certify the newly installed Cleat for accomplishment of SHIPALT YON-0123D, by accomplishing the specified load test. See Table 1-1 and Figure 1-1 for test item and its location.

Table 1-1: Test Item

Test Item	Location	Safe Working Load
CLEAT	MAIN DECK, 5'-5" FWD FR 7, STBD	27,000 LBS

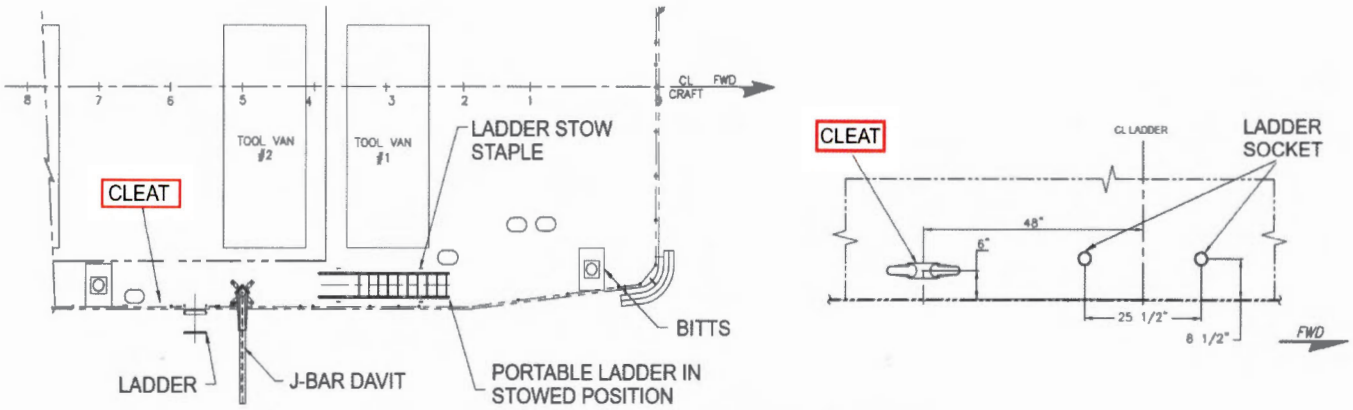

Figure 1-1: Item Location (MAIN DK, STBD)

2. REFERENCES

2-1 NAVSEA DRAWING

2-1.1 583-8970267; BOAT TIE DOWNS AND ACCESS

2-1.2 803-2276338; CLEATS, WELDED HORN TYPE

2-2 GSO-GENERAL SPECIFICATION FOR OVERHAUL OF SURFACE SHIPS; S9AA0-AB-GOS-010

2-2.1 SEC 092; SHIPBOARD TESTS

2-2.2 SEC 611; HULL FITTINGS

2-3 JFMM-JOINT FLEET MAINTENANCE MANUAL

2-4 NAVSHIPREPFAC M-5100.8; SAFETY AND HEALTH PROGRAM MANUAL

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3. TEST AND SUPPORT EQUIPMENT/MATERIAL

3-1 The Necessary Rigging Gear

3-2 Load applying device (e.g. Chain fall)

3-3 Load Indicating Device (e.g. Dynamometer)

3-4 Stopwatch

3-5 Warning signs, ropes and/or barricades to ensure area affected by load testing is secured

4. GENERAL PRECAUTIONS

4-1 Only those personnel actively engaged in performing or witnessing this test shall be permitted in the testing area. All specified safety regulations shall be strictly observed.

4-2 To prevent injury or death, ensure that proper test equipment is used during load testing.

4-3 Safeguarding of personnel and equipment shall be adhered to at all times.

5. SHIPBOARD TEST

5-1 PRETEST BRIEFING Conduct a pre-test briefing (e.g., safety precaution, station assignments, testing steps) with all involved test personnel.

5-2 TMDE Record all Test, Measuring & Diagnostic Equipment (TMDE) type, range, serial number and calibration due date. TMDE shall be calibrated and has not expired.

5-3 STATIC LOAD TEST Conduct load test as follows and record data & result in the TEST DATA SHEET.

5-3.1 PRE-TEST INSPECTION Visually inspect the cleat and supporting structure.

Acceptance criteria: *The cleat shall not fail, fracture, take permanent set, or show evidence of instability or deformation.*

5-3.2 LOAD TEST

(1) Slowly apply a static test load of 27,000 – 28,350 pounds to the cleat at the point of application as shown in Figure 5-1. Hold for 10 minutes.

(2) After 10 minutes, slowly remove the test load.

(3) Inspect the tested item and its supporting structure.

Acceptance criteria: *The cleat shall hold the 27,000 – 28,350 pounds test load for 10 minutes and the cleat shall not fail, fracture, take permanent set, or show evidence of instability or deformation.*

(4) Repeat step (1) through (3) to the opposite load applied direction.

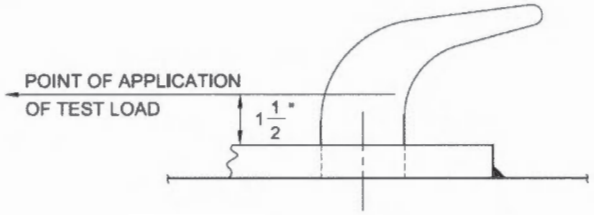

Figure 5-1: Test Diagram

5-4 LWC and S246 shall sign the TEST DATA SHEET upon completion of the load test.

SHIP/HULL NO.: **BARGE / YON-285**	JON:	ICN:	Rev:	Key Op:	
T.P FILE NO.: **61111-4-100_26061C**		**89MVA15004**	**00**	**A01**	Page 5 of 6

6. TEST PROCEDURE COMPLETION

6-1 Sign the test procedure cover sheet to confirm that the test procedure has been fulfilled and completed and return it to S246 for review and approval.

7. REMARKS

SHIP/HULL NO.: **BARGE / YON-285**	JON:	ICN:	Rev:	Key Op:	Page 6 of 6
T.P FILE NO.: **61111-4-100_26061C**		**89MVA15004**	**00**	**A01**	

TEST DATA SHEET

5-2 TMDE

EQUIPMENT TYPE	/	RANGE	/	SERIAL NO.	/	CAL. DUE DATE

5-3 STATIC LOAD TEST

5-3.1 PRE-TEST INSPECTION

ACCEPTANCE CRITERIA	RESULT
The cleat shall not fail, fracture, take permanent set, or show evidence of instability or deformation.	☐ SAT / ☐ UNSAT

5-3.2 LOAD TEST

ACCEPTANCE CRITERIA	TEST LOAD DIRECTION	TEST LOAD	DURATION	RESULT
The cleat shall hold the 27,000 – 28,350 pounds test load for 10 minutes and the cleat shall not fail, fracture, take permanent set, or show evidence of instability or deformation.	TO FWD	pounds	minutes	☐ SAT / ☐ UNSAT
	TO AFT	pounds	minutes	☐ SAT / ☐ UNSAT

5-4 COMPLETION OF THE TEST

RESPONSIBILITY	PRINT NAME / SIGNATURE / DATE
LWC	
S246	

SHIP/HULL NO.: BARGE / YON-285	JON:	ICN:	Rev:	Key Op:	Page 1 of 9
T.P FILE NO.: 62312-2-100_26061A		89MVA15004	00	A01	

SHIP REPAIR FACILITY – JAPAN REGIONAL MAINTENANCE CENTER DET SASEBO
TEST PROCEDURE

TITLE:	JCN: N/A
DIVER LADDER – STATIC LOAD TEST	CWP: N/A

TEST PROCEDURE PREPARATION

	PRINT NAME & SIGNATURE		PHONE	CODE	DATE
PREPARED BY	N. MATSUMOTO	MATSUMOTO.NAOYA.1630608089 Digitally signed by MATSUMOTO.NAOYA.1630608089 Date: 2026.01.26 15:46:52 +09'00'	252-8053	S246F	26-Jan-2026
REVIEWED BY	S. IIDA	IIDA.SHUNICHI.1274619127 Digitally signed by IIDA.SHUNICHI.1274619127 Date: 2026.01.26 16:10:46 +09'00'	252-8045	S246A	26-Jan-2026
APPROVED FOR ISSUE	S. PHILLIPS	PHILLIPS.SHAUN.PARRY.1093485625 Digitally signed by PHILLIPS.SHAUN.PARRY.1093485625 Date: 2026.01.27 08:10:15 +09'00'	252-8049	S246CTE	27-Jan-2026

PROCEDURE COMPLETED

PRINT NAME & SIGNATURE		ORGANIZATION	BADGE/RANK	DATE
LWC				
S246		SRF-JRMC DET SASEBO		

CERTIFICATION REVIEW AND APPROVAL OF TEST RESULTS

PRINT NAME & SIGNATURE		PHONE	CODE	DATE
REVIEWED BY	(Test Certified Complete and Test Results Satisfactory) S. IIDA	252-8045	S246A	
TEST CODE	(Test Results Reviewed and Approved)		S246CTE	

COMMENTS:

SHIP/HULL NO.: **BARGE / YON-285**	JON:	ICN:	Rev:	Key Op:	
T.P FILE NO.: **62312-2-100_26061A**		**89MVA15004**	**00**	**A01**	Page 2 of 9

TEST PROCEDURE GENERAL NOTES

1. **TEST SEQUENCE:** Unless otherwise specified in the test document, this test procedure (TP) shall be completed in provided order.

2. **VERIFICATION:** The person designated to sign for an action verifies, based on personal observation, objective evidence, or watch stander reports and certifies by signature that the action has been performed in accordance with the specified requirements.

3. **USE ORIGINAL DOCUMENTS:** All data attached to the Master TP shall have original pen and ink entries on the data sheets (unless otherwise specified in the test procedure).

4. **USE DARK INK:** All signature and data shall be in dark, water insoluble ink.

5. **CORRECTIONS:** When an error was made, it shall be corrected by drawing a single line through the error, recording the correct entry, initialing, dating and printing the name of the person making the correction in accordance with JOINT FLEET MAINTENANCE MANUAL (JFMM), COMUSFLTFORCOMINST 4790.3, VOLUME V, QUALITY MAINTENANCE.

6. **LATEST APPLICABLE REVISION:** Use the latest applicable revision of plans, instructions, technical manuals, and other reference material cited in this test procedure.

7. **INSTRUMENT CALIBRATION:** All measuring equipment shall be in current calibration as required by NAVSHIPREPFACINST 4734.1.

8. **OPERATION OF COMPONENTS:** Only authorized personnel shall operate ship's permanently installed equipment. The cognizant Shop shall control and operate their temporary test equipment. Ship's Force shall operate temporary systems and equipment formally turned over to the ship.

9. **SAFETY INSTRUCTION:** The Test Director is responsible for the safe conduct of this test. The safety precautions of NAVSHIPREPFAC M-5100.8 shall be observed at all times.

10. **TEST STOPPAGE:** The Test Director shall stop the test once a problem has been found in the system or equipment being tested. S246 Testing Standard Operating Procedure (SOP) shall be used to determine course of action prior to resuming the test procedure.

11. **ENERGIZED EQUIPMENT:** NSTM 300, para 300-2.4 shall be followed when working on energized equipment.

12. **DATA COLLECTION:** The test documents may require collection of additional data for which there is no acceptance criteria, provided the data sheet identifies that data is for information only.

13. **SUPPLEMENTATION:** When supplementation is made, annotate the supplemental information on the page with 'See Remarks' followed by a sequential numbering system corresponding in the Remarks section.

14. **USE ASTERISK (*):** When supplementation, correction and/or signature is made but there is not enough space, annotate using an asterisk (*) followed by sequential number adjacent to the portion then clarify on the same page using the same annotation.

DIVER LADDER – STATIC LOAD TEST

1. PURPOSE

1-1 The purpose of this test is to certify the newly fabricated Diver Ladder for accomplishment of SHIPALT YON-0123D, by accomplishing the specified load test. See Table 1-1 and Figure 1-1 for test items.

Table 1-1: Item to be tested

Item	ID	Test Paragraph
Lifting Ring (4 EA)	R1FWD, R1AFT, R2FWD, R2AFT	5-3
Steps (10 EA)	S1 S2, S3, S4, S5, S6, S7, S8, S9, S10	5-4

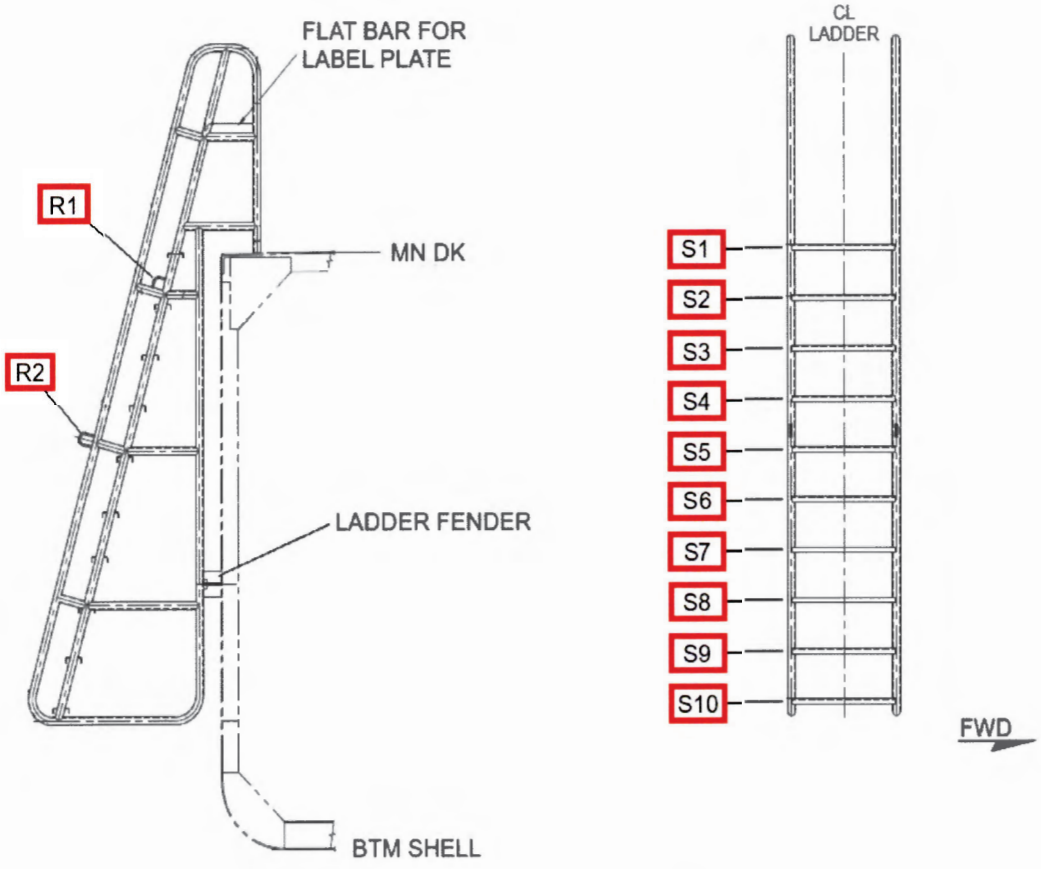

Figure 1-1: Diver Ladder Test Items

2. REFERENCES

2-1 NAVSEA DRAWING

2-1.1 583-8970267; BOAT TIE DOWNS AND ACCESS

2-2 JFMM-JOINT FLEET MAINTENANCE MANUAL

2-3 NAVSHIPREPFAC M-5100.8; SAFETY AND HEALTH PROGRAM MANUAL

3. TEST AND SUPPORT EQUIPMENT/MATERIAL

3-1 Load indicating device (e.g. Dynamometer)

3-2 Ladder test stand (as necessary)

3-3 The necessary rigging gear

3-4 Load applying device (e.g. Chain fall)

3-5 Test weight

3-6 Deflection measuring device

3-7 Stopwatch

3-8 Warning signs, ropes and/or barricades to ensure area affected by load testing is secured

4. GENERAL PRECAUTIONS

4-1 Only those personnel actively engaged in performing or witnessing this test shall be permitted in the testing area. All specified safety regulations shall be strictly observed.

4-2 To prevent injury or death, ensure that proper test equipment is used during load testing.

4-3 Safeguarding of personnel and equipment shall be adhered to at all times.

5. TESTING STEP

5-1 PRETEST BRIEFING Conduct a pre-test briefing (e.g., safety precaution, station assignments, testing steps) with all involved test personnel.

5-2 TMDE Record all Test, Measuring & Diagnostic Equipment (TMDE) type, range, serial number and calibration due date. TMDE shall be calibrated and has not expired. Record the data in TEST DATA SHEET.

5-3 LIFTING RING LOAD TEST Conduct the load test as follows and record the data & results in the TEST DATA SHEET.

5-3.1 PRELIMINARY

(1) Measure the Diver Ladder weight using dynamometer and record the data.

(2) TEST LOAD CALCULATION: Calculate 200% and 210% of the measured value and record each data.

(3) Secure the ladder as necessary.

5-3.2 LOAD TEST

(1) PRE-TEST INSPECTION: Inspect condition of the Ladder Lifting Ring and surrounding structure.
Acceptance criteria: *There shall be no damage or permanent distortion on fitting or supporting structure.*

(2) Slowly apply twice the ladder weight (Safe Working Load of lifting ring) at the angle shown in Figure 5-1 and within a 30 degree inclination inward from the lifting ring horizontal plane. The test load shall be applied to each lifting rings individually and hold for 10 minutes.

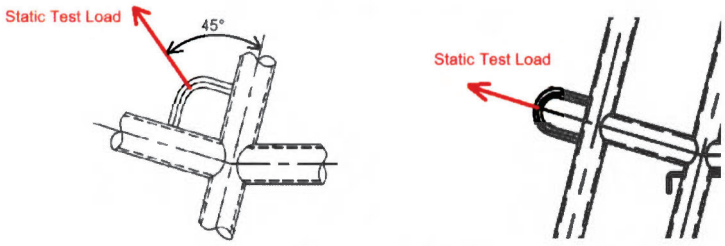

Figure 5-1: Direction of application of test load

(3) POST-TEST INSPECTION: Slowly remove the test load and inspect the tested item and its supporting structure.
Acceptance criteria: *There shall be no damage or permanent distortion on fitting or supporting structure.*

(4) Repeat above steps (3) and (4) for remaining lifting rings, as necessary.

NOTE
THE FOLLOWING TESTS CAN BE PERFORMED EITHER IN THE DRY DOCK OR IN THE SHOP.

5-4 STEPS LOAD TEST Conduct the load test as follows and record the data & results in the TEST DATA SHEET.

5-4.1 PRELIMINARY

(1) TEST LOAD VERIFICATION: Measure the test weight of 300 pounds using dynamometer and record the data. The tolerance of test load must be +5%, -0%.

5-4.2 LOAD TEST

(1) PRE-TEST INSPECTION: Inspect condition of the diver ladder assembly.
Acceptance criteria: *There shall be no visible defects.*

(2) Set the ladder as it would be in service.

(3) The test load is applied evenly to the contact surface of approx. 4-inch x 4-inch area shown in Figure 5-2, one step at a time, and held for one minute. The deflection of the step under the applied load is measured.
Acceptance criteria: *The step must not deflect more than 20mm under the load.*

(4) After one minute, slowly removed the test load.

(5) POST-TEST INSPECTION: Inspect the tested object and its supporting structure are inspected.
Acceptance criteria: *There shall be no residual deflection and any visible defects after test load is removed.*

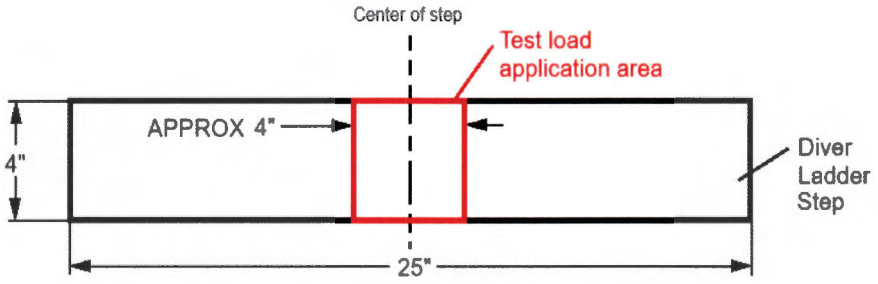

Figure 5-2: Area of test load application

(6) Repeat above step (3) as necessary.

5-5 LWC and S246 shall sign the TEST DATA SHEET upon completion of the test.

6. MARKING

6-1 TEST LABEL PLATE Upon satisfactory completion of inspections and tests, manufacture and install the Test Label Plate as follows. Sample of Label Plate is provided in Figure 6-1.

6-1.1 The permanently stamped, anodized & hydrated aluminum plate shall be manufactured.

6-1.2 For the lifting rings, the measured ladder weight is considered the Safe Working Load.

6-1.3 Marking shall include the test date (Example; 2026/JAN).

6-1.4 Label plates shall be secured to the flat bar shown in Figure 1-1 with epoxy adhesive.

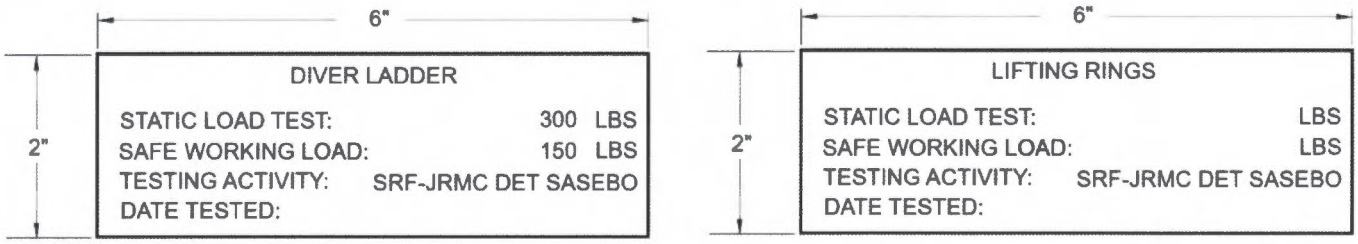

Figure 6-1: Sample of Label Plate

7. TEST PROCEDURE COMPLETION

7-1 Sign the test procedure cover sheet to confirm that the test procedure has been fulfilled and completed and return it to S246 for review and approval.

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T.P FILE NO.: **62312-2-100_26061A**		**89MVA15004**	**00**	**A01**	Page 7 of 9

8. REMARKS

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T.P FILE NO.: **62312-2-100_26061A**		**89MVA15004**	**00**	**A01**	Page 8 of 9

TEST DATA SHEET

5-2 TMDE

EQUIPMENT TYPE /	RANGE /	SERIAL NO. /	CAL. DUE DATE

5-3 LIFTING RING LOAD TEST

5-3.1 (2) TEST LOAD CALCULATION

Measure Value	200% of Measured Value	210% of Measured Value
pounds	pounds	pounds

5-3.2 (1) PRE-TEST INSPECTION

CRITERION: There shall be no damage or permanent distortion on fitting or supporting structure.	☐ SAT / ☐ UNSAT

5-3.2 (2) & (3) LOAD TEST & POST-TEST INSPECTION

Lifting Ring ID	Test Load	Duration (10 Minute)	Post-Test Inspection Result
R1FWD	pounds	minutes	☐ SAT / ☐ UNSAT
R1AFT	pounds	minutes	☐ SAT / ☐ UNSAT
R2FWD	pounds	minutes	☐ SAT / ☐ UNSAT
R2AFT	pounds	minutes	☐ SAT / ☐ UNSAT

SHIP/HULL NO.: **BARGE / YON-285**	JON:	ICN:	Rev:	Key Op:	Page 9 of 9
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TEST DATA SHEET

5-4 STEPS LOAD TEST

5-4.1 (1) TEST LOAD VERIFICATION

CRITERION: 300 – 315 pounds	Test load: pounds

5-4.2 (1) PRE-TEST INSPECTION

CRITERION: There shall be no visible defects.	☐ SAT / ☐ UNSAT

5-4.2 (3) & (4) LOAD TEST & POST-TEST INSPECTION

Step ID	Deflection (Not more than 20mm)	Duration (At least 1 minute)	Post-Test Inspection Result
S1		minutes	☐ SAT / ☐ UNSAT
S2		minutes	☐ SAT / ☐ UNSAT
S3		minutes	☐ SAT / ☐ UNSAT
S4		minutes	☐ SAT / ☐ UNSAT
S5		minutes	☐ SAT / ☐ UNSAT
S6		minutes	☐ SAT / ☐ UNSAT
S7		minutes	☐ SAT / ☐ UNSAT
S8		minutes	☐ SAT / ☐ UNSAT
S9		minutes	☐ SAT / ☐ UNSAT
S10		minutes	☐ SAT / ☐ UNSAT

5-4 COMPLETION OF THE SHIPBOARD TEST

RESPONSIBILITY	PRINT NAME, SIGNATURE & DATE
LWC	
S246	