

**TREASURY DEPARTMENT
UNITE STATES COAST GUARD**

COMMANDANT (MMT-3)
U.S. COAST GUARD
WASHINGTON, DC 20226

3 March 1965

NAVIGATION AND VESSEL INSPECTION CIRCULAR NO. 1-65

Subj: 24.0' x 8.0' x 3.58' steel lifeboats with removable interiors, oar-propelled (App. No. 160.035/398/0), hand-propelled (App. No. 160.035/411/0), and motor-propelled (App. No. 160.035/412/0), manufactured by Welin Davit & Boat, Perth Amboy, New Jersey, replacement of short breast plates.

1. Purpose. This circular is to advise all Officers in Charge, Marine Inspection, shipowners and operators of the possibility of a lateral misalignment of the release gear hooks and hoist plates, causing distortion of the stem and stern post sections of the keel under unsymmetrical loading conditions, and to describe proper means to prevent possible injury and Loss of life.
2. Background. Since 1958 there have been manufactured 105 of these 241 steel lifeboats, having short breast plates and removable interiors (74 oar-propelled, 27 hand-propelled and 4 motor-propelled, with a total rated capacity of 4188-perspns).
3. Discussion. These lifeboat with the short breast plate installed have been successfully subjected to the 110% overload installation tests since 1958. However, a recent installation test was conducted where uneven loading occurred which caused the lateral misalignment of the release hooks and hoist plates and bending at the stem and stern post sections of the keel, since there was not any lateral support in this area. This movement off the centerline of the boat caused the load to shift, moving the weights to one side, causing parts of the weights to fall overboard from the lifeboat. The shifting of the weights also caused the stem to bend further out of line and the rivets to be pulled out of half the length of the boat. Fortunately, the above incident occurred during a test using weights and not under abandon-ship conditions where persons might have been involved.
4. Action Required. All vessels known to be outfitted with any of the subject 24' steel Welin lifeboats with the removable interior, shall have the lifeboats carefully inspected at the next inspection for certification, or the next mid-period examination, whichever occurs first.
 - a. These lifeboats that have the short breast plates, i.e., those that do not extend from the gunwales to the hoist plate and are fastened to each, shall have the short plate removed and a new extended breast plate conforming to the attached plan installed. This new extended breast plate will give the hoist plate and hook assembly the necessary lateral support that is needed.
 - b. The present short breast plate may be attached to the gunwale by rivets, bolts or possibly by welding. In order to expedite this repair project, the new plate should be welded in place, since trying to line up the new plate with the old existing holes in the gunwale flange would be difficult and time consuming. If possible, the repair work should be done by Welin or one of their representatives since this is an approved item manufactured by them.

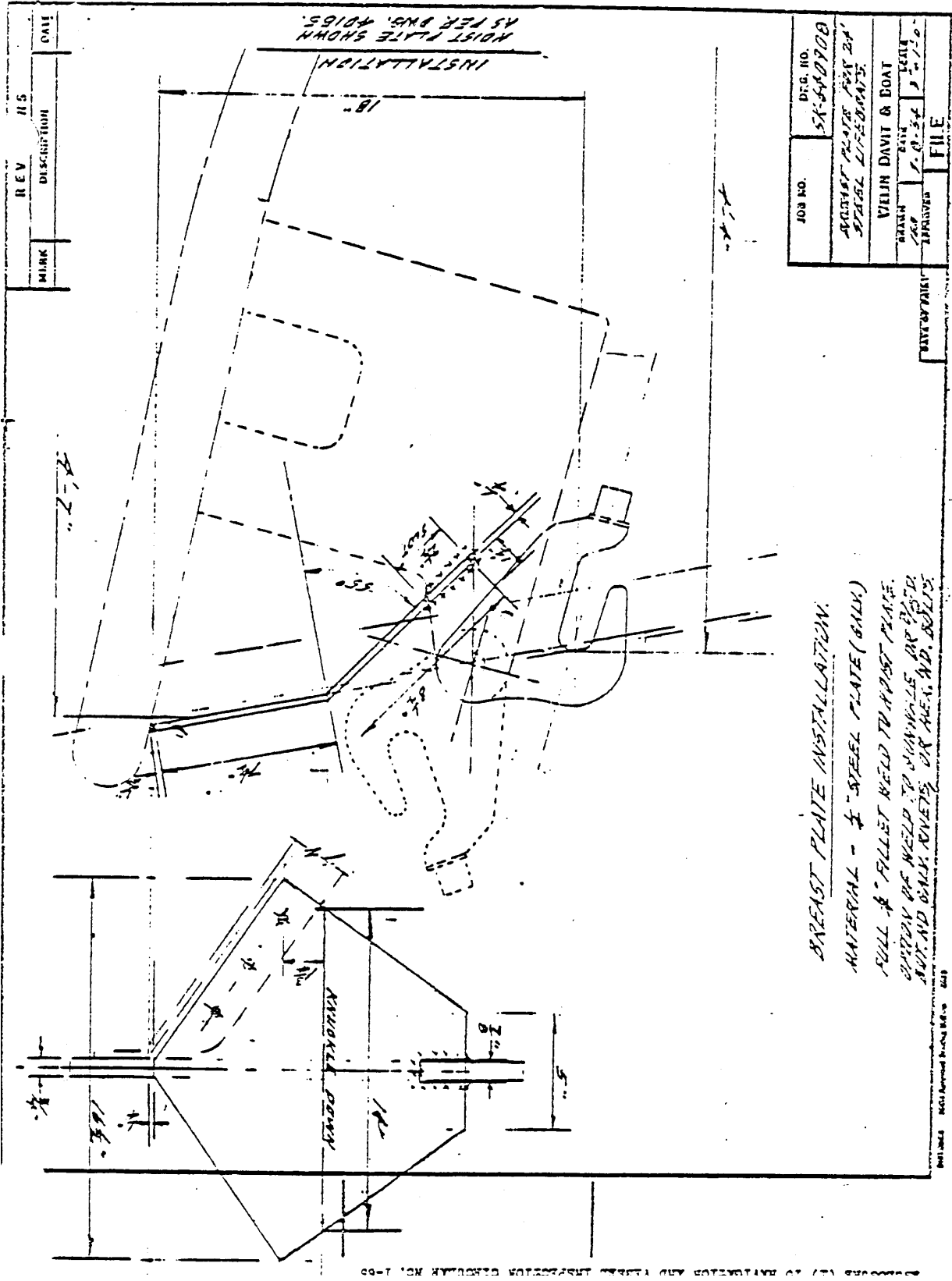
- c. Attached are lists of the subject lifeboats by serial number, date, inspector's initial, approval numbers, and customer to whom sold and a sketch of the new plate to be installed. Also enclosed is a list of Welin's representatives.
- d. After the work has been completed to the satisfaction of the Officer in Charge, Marine Inspection, the boat shall be subjected to the 110% overload tests, lowered and disengaged from the falls as required by the installation tests.
- e. The cognizant Officer in Charge, Marine Inspection, shall advise the Commandant (MMT-3) when this work has been completed, including in the report the serial number, approval number of the lifeboat, the name and official number of the vessel, and who performed the repairs.


C. P. MURPHY
Rear Admiral, U. S. Coast Guard
Chief, Office of Merchant Marine Safety

Attachments:

- 1. Dwg. SK-640908 Breast Plate for 24' Steel Lifeboats
- 2. List of Lifeboats
- 3. List of Welin Representatives

DIST (SDL NO. 80)



BREAST PLATE INSTALLATION.
 MATERIAL - 1/2" STEEL PLATE (BULK)
 FULL 1/2" FILLET WELD TO UPPER PLATE.
 SECTION OF WELD TO BE WALKABLE OR BY THE
 WALK AND BULK HEADS OR HEAD AND BULLS.

| MARK | REV | DESCRIPTION | DATE |
|------|------|-------------|------|
| | H.S. | | |

| | |
|--------------------------------------|-----------|
| JOB NO. | DES. NO. |
| | SK-580700 |
| BREAST PLATE FOR 24' STEEL LIFEBOATS | |
| VINN DAVIT & BOAT | |
| DRAWN | DATE |
| J.P. | 1-10-65 |
| APPROVED | FILE |

REPRODUCED BY THE ENGINEER AND DESIGNER INSPECTION DEPARTMENT NO. 1-65

24' STEEL LIFEBOAT
(CAR) (DWG. 80226)

| SERIAL NO. | DATE | INSP. | APP. NO. | CUSTOMER | GEAR CENT. | TYPE |
|------------|----------|------------------|---------------|---------------------|---------------|------|
| A-17794 | 9/30/59 | J.R.M. | 160.035/398/0 | Robt. & Sch. | 21' -0" | 299 |
| A-17795 | 9/30/59 | J.R.M. | " | " " " | 21' -0" | " |
| A-17800 | 10/9/59 | J.R.M. | " | Dreyfus | 21' -0" | " |
| A-17802 | 10/21/59 | J.R.M. | " | Bernuth- Lembeke | 21' -0" | " |
| A-17807 | 11/2/59 | J.R.M. | " | Dreyfus | 21' -0" | " |
| A-17808 | 11/6/59 | J.R.M. | " | " | 21' -0" | " |
| A-17810 | 11/6/59 | J.R.M. | " | " | 21' -0" | " |
| A-17813 | 11/13/59 | J.R.M. | " | " | 21' -0" | " |
| A-17815 | 11/19/59 | A.S.K. | " | " | 21' -0" | " |
| A-17820 | 11/30/59 | A.S.K. | " | Amer.Trading | 21' -0" | " |
| A-17843 | 1/4/60 | A.S.K. | " | Dreyfus | 21' -0" | " |
| A-17848 | 1/5/60 | A.S.K. | " | Argentine Lines | 21' -0" | " |
| A-17866 | 3/1/60 | A.S.K. | " | ----- | 21' -0" | " |
| A-17926 | 8/30/61 | E.S.C. | " | Dreyfus | 21' -0" | " |
| A-17927 | 8/30/61 | E.S.C. | " | " | 21' -0" | " |
| A-17928 | 9/8/61 | E.S.C. | " | Bulk-Trans. | 21' -0" | " |
| A-17929 | 9/21/61 | R.E.H. | " | Beth. Steel | 21' -0" | " |
| A-17930 | 10/27/61 | E.S.C. | " | Dreyfus | 21' -0" | " |
| A-17931 | 11/3/61 | R.E.H. | " | Robt. & Sch. | 21' -0" | " |
| A-17956 | 12/7/61 | E.S.C. | " | " " " | 21' -0" | " |
| A-17957 | 1/10/61 | A.B.S. No. CG | " | Esso | 21' -0" | " |
| A-17958 | 1/10/61 | " | " | " | 21' -0" | " |

| SERIAL NO. | DATE | INSP. | APP. NO. | CUSTOMER | GEAR CENT. | TYPE |
|------------|----------|--------|---------------|--------------------------------|------------|------|
| A-17959 | 1/31/62 | R.E.H. | 160.035/389/0 | Beth. Steel | 21' -0" | 299 |
| A-17966 | 2/19/62 | E.S.C. | " | Scony-Mobile | 21' -0" | " |
| A-17967 | 2/28/62 | E.S.C. | " | Jaish-Hendg. Co. | 21' -0" | " |
| A-17968 | 3/22/62 | E.S.C. | " | Gibbs Corp. | 21' -0" | " |
| A-17969 | 4/10/62 | E.S.C. | " | Gibbs Corp. | 21' -0" | " |
| A-17970 | 4/11/62 | E.S.C. | " | Robt. & Sch. | 21' -0" | " |
| A-17971 | 4/24/62 | J.H.B. | " | " " " | 21' -0" | " |
| A-17974 | 5/17/62 | H.W.C. | " | Isthmian | 21' -0" | " |
| A-17975 | 6/7/62 | E.S.C. | " | Cont. Amer. | 21' -0" | " |
| A-17976 | 6/21/62 | E.S.C. | " | Panama Trans. | 21' -0" | " |
| A-17977 | 7/19/62 | E.S.C. | " | Cont. Amer. | 21' -0" | " |
| A-17989 | 9/5/62 | H.W.C. | " | Keystone | 21' -0" | " |
| A-17990 | 9/27/62 | J.E.H. | " | " | 2; ' -0" | " |
| A-17991 | 9/27/62 | J.E.H. | " | " | 21' -0" | " |
| A-17992 | 10/9/62 | J.E.H. | " | Socony-Mobile | 21' -0" | " |
| A-18011 | 10/19/62 | J.E.H. | " | Bell & Co. | 21' -0" | " |
| A-18012 | 10/22/62 | J.E.H. | " | " " " | 21' -0" | " |
| A-18013 | 11/5/62 | H.W.C. | " | Del-Mar | 21' -0" | " |
| A-18014 | 11/23/62 | H.W.C. | " | Reynolds | 21' -0" | " |
| A-18016 | 11/26/62 | H.W.C. | " | " | 21' -0" | " |
| A-18017 | 11/29/62 | H.W.C. | " | " | 21' -0" | " |
| A-18019 | 12/3/62 | H.W.C. | " | Amer. Foreign Overseas-Nav. | 21' -0" | " |
| A-18020 | 12/11/62 | H.W.C. | " | " " " | 21' -0" | " |
| A-18021 | 1/8/63 | J.E.H. | " | Reynolds | 21' -0" | " |

| SERIAL NO. | DATE | INSP. | APP. NO. | CUSTOMER | GEAR CENT. | TY |
|------------|---------|--------|---------------|-----------------------|------------|-----|
| A-18022 | 1/11/63 | H.W.C. | 160.035/398/0 | Robt. & Sch. | 21' -0" | 299 |
| A-18023 | 1/10/63 | J.E.H. | " | Reynolds | 21' -0" | " |
| A-18024 | 2/1/63 | H.W.C. | " | " | 21' -0" | " |
| A-18039 | 2/14/63 | H.W.C. | " | Esso-Inter. | 21' -0" | " |
| A-18040 | 2/28/63 | J.E.H. | " | Dreyfus | 21' -0" | " |
| A-18041 | 3/11/63 | H.W.C. | " | " | 21' -0" | " |
| A-18042 | 3/13/63 | H.W.C. | " | Robt. & Sch. | 21' -0" | " |
| A-18043 | 6/7/63 | J.E.H. | " | Pittsburgh St. Co. | 21' -0" | " |
| A-18044 | 6/11/63 | J.E.H. | " | Lloyd-Bras. | 21' -0" | " |
| A-18066 | 6/27/63 | J.E.H. | " | " " | 21' -0" | " |
| A-18067 | 7/18/63 | J.E.H. | " | Joshua-Hendy Co. | 21' -0" | " |
| A-18068 | 7/18/63 | J.E.H. | " | Dreyfus | 21' -0" | " |
| A-18069 | 8/2/63 | J.E.H. | " | Maritime-Overseas | 21' -0" | " |
| A-18070 | 9/4/63 | J.E.H. | " | Dreyfus | 21' -0" | " |
| A-18071 | 12/3/63 | J.E.H. | " | " | 21' -0" | " |
| A-18077 | 12/4/63 | J.E.H. | " | Beth. Stl. | 21' -0" | " |
| A-18078 | 1/9/64 | R.F.B. | " | Mercury Marine | 21' -0" | " |
| A-18079 | 1/9/64 | R.F.B. | " | Dreyfus | 21' -0" | " |
| A-18080 | 2/13/64 | R.F.B. | " | Stock | 21' -0" | " |
| A-18081 | 2/14/64 | R.F.B. | " | " | 21' -0" | " |
| A-18082 | 2/19/64 | R.F.B. | " | Sun Oil Co. | 21' -0" | " |
| A-18090 | 4/29/64 | R.F.B. | " | Stock | 21' -0" | " |
| A-18091 | 5/8/64 | R.F.B. | " | " | 21' -0" | " |

| SERIAL NO. | DATE | INSP. | APP. NO. | CUSTOMER | GEAR CENT. | TYPE |
|------------|---------|--------|---------------|--------------|------------|------|
| A-18092 | 6/22/64 | R.F.B. | 160.035/398/0 | Stock | 21' -0" | 299 |
| A-18093 | 6/22/64 | R.F.B. | " | Amer. Ship | 21' -0" | " |
| A-18094 | 9/3/64 | R.F.B. | " | Newport News | 21' -0" | " |
| A-18095 | 9/3/64 | R.F.B. | " | " " | 21' -0" | " |
| A-18095 | 2/21/64 | R.F.B. | " | " " | 21' -0" | " |

24' STEEL LIFEBOAT (H.P.) (DWG. 80275)

| SERIAL NO. | DATE | INSP. | APP. NO. | CUSTOMER | GEAR CENT. | GEAR TYPE |
|------------|----------|--------|---------------|----------------|------------|-----------|
| A-17864 | 2/23/60 | A.S.K. | 160.035/411/0 | Dreyfus | 21' -0" | 299 |
| A-17867 | 3/2/60 | A.S.K. | " | Marine-Nav. | 21' -0" | " |
| A-17895 | 6/22/60 | W.D. | " | Alabama D.D. | 21' -0" | " |
| A-17896 | 2/22/60 | W.D. | " | " " | 21' -0" | " |
| A-17916 | 2/28/61 | E.S.C. | " | Sinclair-Ref. | 21' -0" | " |
| A-17917 | 2/28/61 | E.S.C. | " | Todd-Texas | 21' -0" | " |
| A-17938 | 9/1/61 | E.S.C. | " | Dreyfus | 21' -0" | " |
| A-17939 | 9/11/61 | E.S.C. | " | Bulk-Trans. | 21' -0" | " |
| A-17960 | 12/18/61 | E.S.C. | " | Robt. & Sch. | 21' -0" | " |
| A-17961 | 1/18/62 | E.S.C. | " | Maritime Supp. | 21' -0" | " |
| A-17962 | 3/15/62 | E.S.C. | " | Robt. & Sch. | 21' -0" | " |
| A-17963 | 4/27/62 | E.S.C. | " | " " " | 21' -0" | " |
| A-17972 | 8/16/62 | H.W.C. | " | " " " | 21' -0" | " |
| A-17973 | 9/13/62 | J.E.H. | " | Keystone | 21' -0" | " |
| A-17987 | 10/26/62 | J.E.H. | " | Del-Mar | 21' -0" | " |
| A-17988 | 10/31/62 | H.W.C. | " | Bulk-Trans. | 21' -0" | " |

| SERIAL NO. | DATE | INSP. | APP. NO. | CUSTOMER | GEAR CENT. | GEAR TYPE |
|------------|----------|--------|---------------|----------------|---------------|--------------|
| A-18018 | 11/30/62 | H.W.C. | 160.035/411/0 | Reynolds | 21' -0" | 299 |
| A-18035 | 2/1/63 | H.W.C. | " | " | 21' -0" | " |
| A-18036 | 6/10/63 | J.E.H. | " | Mathiasen | 21' -0" | " |
| A-18072 | 10/16/63 | J.E.H. | " | Todd | 21' -0" | " |
| A-18073 | 10/31/63 | J.E.H. | " | Trans.-Amer. | 21' -0" | " |
| A-18074 | 11/12/63 | J.E.H. | " | Dreyfus | 21' -0" | " |
| A-18075 | 12/3/63 | J.E.H. | " | Stock - | 21' -0" | " |
| A-18083 | 3/16/64 | | " | Grandcolumbian | --- | 299 |
| A-18084 | 4/3/64 | R.F.B. | " | Amer.-Ship | 21' -0" | " |
| A-18085 | 4/3/64 | | " | Grandcolumbian | --- | " |
| A-18086 | 4/16/64 | R.F.B. | " | Amer.-Ship | 21' -0" | " |

24' STEEL LIFEBOAT
(MOTOR PROPELLED (DWG. B-80561))

DIESEL
ENGINE

| SERIAL NO. | DATE | INSP. | APP. NO. | CUSTOMER | GEAR CENT. | TYPE |
|------------|---------|--------|---------------|------------------------|---------------|------|
| A-18087 | 4/28/64 | R.F.B. | 160.035/412/1 | Robt. & Sch. | 21' -0" | 299 |
| A-18106 | 9/28/64 | ----- | " | C-7009 Newport News | 21' -0" | " |

| | | | | | <u>GAS ENGINE</u> | |
|---------|----------|--------|---------------|---------------|-----------------------|-----|
| A-18004 | 6/6/63 | J.E.H. | 160.035/412/0 | Stock | 21' -0" | 299 |
| A-18015 | 12/10/63 | H.W.C. | " | Overseas-Nav. | 21' -0" | " |

The agents representing Welin in this country. capable of supervising or install the new extended type breast plate are as follows:

1. Welin Davit and Boat Division of
Continental Copper & Steel Industries, Inc.
500 Market Street
Perth Amboy, New Jersey
2. Bell and Company
255 Beauregard Street
Mobile, Alabama
3. Del-Mar Corporation
8601 Gulf Freeway
Houston 17, Texas
4. Dreyfus Supply & Machine Company
2122 Kentucky Street
New Orleans, Louisiana
5. Robertson & Schwartz, Inc.
163 Main Street
San Francisco, California