

F.E. FROM ACCTS. 29/6
 F.E. FROM ADMIN/F 1/7
 PLANS RECD. 29/6
 CERTS. RECD. 29/6
 TO RPTS. DEPT. 1/7
 Date of completion of report

STEEL STEAMER MOTORSHIP

DISCLOSED SECTION

State if Report has been sent on the Freeboard of the Vessel NO

State if Report is sent on the Machinery of the Vessel YES

No.

Received at London Office

737

No. FE-6518

Survey held at MUKAISHIMA, JAPAN Date First Survey 10th. September 1958 Last Survey 4th. JUNE 1959

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) SINGLE SCREW M.V. "DNESTR" MACHINERY AFT

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) TUNA FISHING VESSEL Scantlings suitable for a Summer Moulded Draught of 11.48' measured above Top of Keel State Type of Erections FORECASTLE & POOP

TONNAGE under Tonnage Deck ... 345.86

Do. of space or spaces between Tonnage Dk. and Upper Dk.

Tonnage 497.10

Net Tonnage 162.01

REGISTERED DIMENSIONS.

FEET

Length 161.55

Breadth 29.53

Draught 11.09

CLASS 100 A.1

FISHING VESSEL (Strengthened for Navigation in Ice)

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a)

Breadth (greatest moulded)

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)

1st Longitudinal Number (L x D)

2nd Numeral L x (B + D)

Framing Depth "d," at middle of length. See Sec. 3 (1d)

Proportions—Depth to Length—Uppermost continuous deck to top of keel

Do. Long Bridge to top of keel

Draught Moulded Designed 3M 470 Normal Trim Designed 0M 600

State if with freeboard as condition of Class

FEET

154.20

(47.00M)

29.52

(9.00M)

13.78

(4.20M)

Built at MUKAISHIMA, JAPAN

Launched 27th. February 1959 Yard No. 3873

Builders HITACHI SHIPBUILDING & ENG. CO. LTD

Owners VSESOTUZNOE OBJEDINENIE "SUDOIMPORT", MOSCOW, U.S.S.R.

Managers

(Where necessary to be entered in Reg. Book)

Residence

Port of Registry VLADIVOSTOK

If surveyed while building, afloat, or in dry dock

WHILST BUILDING, AFLOAT, AND IN DRY DOCK

FRAMES, DOUBLE BOTTOM AND BEAMS.

VESSEL UNDOCKED 23. 4. 59

	INCHES IN SHIP. Millimetres	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP. Millimetres	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	550	✓	Bracket Floors, Frame	—	
" " from 1/2 length amidships to Collision bulkhead	550	✓	" " Reversed Frame	—	
" " in peaks	550	✓	" " Vertical Struts	—	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	1000 x 9	✓
Frame Amidships, Angle, 8 x 8	100 x 75 x 7 T	✓	" " top Angles	Welded	✓
" " Extends up to Upper Deck			" " bottom Angles	Welded	✓
(Strengthening for Navigation in Ice)			Side Girders, No. each side and thickness	1 @ 7	✓
Intermediate Frames, Fwd. of Collision Bhd.	90 x 8 F.B.	✓	Horizontal Margin Plate, depth (width of flange) and thickness	1550 x 8	✓
" " Extends up to Upper Deck			" " Vertical Angle to Tank side		
Intermediate Frames, Aft of Collision Bhd.	100 x 75 x 7 T	✓	" " Bracket abaft 1/2 len. from stem		
Depth of Framing Girder			" " Vertical Angle to Tank side		
Frames in Uppermost Continuous 'tween	—		" " Bracket from forward 1/2 len. from stem to Panting Area		
Forecastle			" " Gussets, spacing and scantling abaft 1/2 len. from stem		
" " Second 'tween Decks, Angle, 8 x 8	100 x 8 F.B.	✓	" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area		
" " Poop			Top Tank Brackets, height above base line at toe of Frame and thickness	1400. 8 (65 Flange)	✓
" " Third					
" " from 1/2 len. for'd. to 15% len. from Stem	100 x 75 x 7 T	✓	INNER BOTTOM PLATING.		
" " in Peaks, Angle 8 x 8	180 x 9.5 B.P.	✓	Breadth and thickness of Middle Line Strake	1780 x 8	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	WELDED	✓	Thickness of remainder in Holds	7 and 8	✓
State if Frame Joggled	NO	✓	Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bunkers and Boiler Room?	YES	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	YES	✓	BEAMS.		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	YES	✓	Uppermost Continuous Deck, amidships in Wells, Angle, 8 x 8	125 x 8 F.B.	✓
SINGLE BOTTOM IN WAY NO. 1 OF TANK			" " in way of Bridge Angle, 8 x 8 at Ends	90 x 8 F.B.	✓
Floors, Depth and thickness at mid-line in Holds	1000/1200 x 8	✓	Spacing	550	✓
Height of Brackets at side above base line at toe of frame. NO BKTS.	with 180 x 9 F.B. Face Plates at Top.	✓	Second Deck, amidships, Angle, 8 or 8		
Middle Line Keelson, on Floors, Angles	—		Spacing		
" " Through Plate on Inter	8	✓	Stove Deck Beams. 100 x 75 x 10 INV. ANGLES		
" " Foundation Plate on Floors	180 x 9 F.B. Face Plate	✓	Third Deck, amidships, Angle, 8 or 8 Spaced 550		
" " Wash Bulkhead	7mm. Plating	✓	Spacing		
" " Flat Plate Keel Angle			Fourth Deck, amidships, Angle, 8 or 8		
Side Keelsons, No. each side	1		Spacing		
" " thickness of Intercoastal Plate	7mm. with 180 x 9 (FRS. 66 To 69) Face Plates	✓	Poop Deck, Angle, 8 or 8	90 x 7 F.B.	✓
" " Longitudinal	100 x 75 x 10 I (FRS. 69 TO 78)	✓	Spacing	550	✓
DOUBLE BOTTOM.			Compass Flat	65 x 6 F.B. in way of Steel Deck.	✓
Solid Floors, thickness and spacing	7 @ 550	✓	Bridge Deck, Angle, 8 or 8	65 x 65 x 6 Q.A. in way of Wood Deck.	✓
" " Are Frame and Reversed Frame joggled?	NO	✓	Spacing	550	✓
Bracket Floors, breadth and thickness at middle line	—		100 x 10 F.B.		
" " breadth and thickness at margin plate	—		100 x 75 x 7 T in way of Windlass.		
			Spacing	550	✓

PILLARS AND DECKS.

	IN SHIP.	Any Departure from Approved Plans to be Noted.		IN SHIP.	Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows 3 in No. 90mm. dia. Solid Pillars at Fr. 56 in way of the Insulated Wood Divisional Bulkhead between Nos. 1 and 2 Fish Holds			Stringer Plate, breadth and thickness in way of Bridge	✓	
PILLARS IN ENGINE ROOM 80mm. Dia. Solid Pillars at Frame Nos 11, 20 & 24, as approved.			Thickness of Plating abreast Deck openings in way of Wells	✓	
PILLAR IN "REFRIG. MACHY ROOM" 90mm. dia. Solid Pillar, at Fr. No. 29, as approved			Thickness of Plating abreast Deck openings in way of Bridge	✓	
PILLARS IN FORECASTLE & BRIDGESPACES 60mm. dia. Solid Pillars as approved			Thickness of Plating within line of openings	✓	
PILLARS IN CAPTAINS BRIDGE HOUSE 50mm. dia. Solid Pillars as approved			If Sheathed, material and thickness	✓	
Plating, thickness of			Third Deck Store Deck, Forward		
STRINGERS AND DECKS.			Stringer Plate, breadth and thickness	8	✓
Uppermost Continuous Deck.			Plating	8	✓
Stringer Plate, breadth and thickness in Wells 1350 x 9			If Plated, state thickness	✓	
" " " " in way of Bridge 11 at Poop Break			Fourth Deck.		
" " " " Angle in Wells 90 x 90 x 10			Stringer Plate, breadth and thickness	✓	
Stringer Angle at Poop Break 90 x 90 x 13			If Plated, state thickness	✓	
Thickness of Plating abreast Deck openings in way of Wells 7			Poop Deck. Combined Poop & Boat Deck.		
Thickness of Plating abreast Deck openings in way of Bridge			Stringer Plate, breadth and thickness	7 at Aft end. 6 at Forward	✓
Thickness of Plating within line of openings 7			Plating	OREGON PINE 65mm	✓
If Sheathed, material and thickness OREGON PINE 65mm.			Plating, Sheathing, material and thickness	4.5	✓
Second Deck.			Bridge Deck. Compass Flat		
Stringer Plate, breadth and thickness in Wells			Stringer Plate, breadth and thickness	4.5	✓
			Plating, Sheathing, material and thickness	4.5 OREGON PINE 65mm	✓
			Forecastle Deck.		
			Stringer Plate, breadth and thickness	6	✓
			Plating	10 in way of Windlass	✓
			Plating, Sheathing, material and thickness	OREGON PINE 65mm	✓
				(No sheathing in way of Windlass and extending)	✓

NOTE:- End Thicknesses of Plating given below are adjacent the Peak Bulkheads, i.e. between Frs 77-78 Fwd & Frs 7-8 Aft except where noted:-

except where noted: - () SCANTLINGS.				RIVETING.									
STRAKES.	AS IN VESSEL				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.					
	Excluding all local increases					State if jogged?..... NO.	RIVETS.		No. of Rows of Rivets.	RIVETS.		STRAPPED LAPPED	
	AMIDSHIPS.		FORWARD.	AFT.			SINGLE OR DOUBLE.	RIVETS.		Diam.	Spacing cr. to cr.		
	Breadth.	Thickness.	Thickness.	Thickness.				Diam.					Spacing cr. to cr.
	Inches. mm.	Inches. mm.	Inches. mm.	Inches. mm.		INCHES. mm.	INCHES. mm.		Inches.	Inches.			
Flat Plate Keel.....	980	11 ✓	12 ✓	11 ✓		WELDED ✓							
„ Thin (if any)													
Bottom Plating, No. of Strakes 2	A	10 ✓	12 ✓	9 ✓	PLATING CONNECTING TO STERNFRAME 9mm.	A) WELDED ✓							
Bilge Plating, No. of Strakes 1	B	10 ✓	(10) ✓	(10) ✓		B) WELDED ✓							
Side Plating, No. of Strakes 1	C	10 ✓	13 ✓	9 ✓	STEM PLATING 15~9	C) WELDED ✓							
Upper Deck, Sheer-strake in Wells	D	9 ✓	13 ✓	8 ✓	BOSS PLATE 10	C) SINGLE RIVETED	16.	72 ✓					
Upper Deck, Sheer-strake in Bridge	D	10 ✓	13 ✓	8 ✓		D) WELDED ✓							
Strake below Sheer-strake in Wells	E	15 ✓			Approved at 13.5 ✓	E) WELDED ✓							
Strake below Sheer-strake in Bridge	F				X Vertical Strake over E & F. Approved at 7.5.	F) WELDED ✓							
Poop Side Plating.....	F		9 ✓	6 ✓									
Bridge Side Plating.....			X (at Poop Break)	6 ✓									
Forecastle Side Plating.....	E					E) WELDED ✓							
	F		7 to 9 at Fore End			F) WELDED ✓							
ALL BUTTS ELECTRICALLY WELDED													
FORGINGS AND CASTINGS.													

WATERTIGHT BULKHEADS.				FORGINGS AND CASTINGS.			
Total No. of W.T. BULKHEADS in Vessel—				KEEL, Bar 250 x 250			
Extending to Upper Deck (Sec. 3 c) 5				STEM Fabricated Soft Nose 15~9			
" Deck next below Rule 3				STERN FRAME (Fabricated) Propeller Post			
As per Rule 5 in No. O.T. W.T. and in No. Part O.T. Part Gaslight.				Speed of Vessel 12 1/2 KNOTS.			
STIFFENERS.				RUDDER—Type			
	Plating Thickness.	VERTICAL.	HORIZONTAL.				
	mm.	Scantlings.	Scantlings.				
MIDSHIP BULKH'D, Upper Deck	6, 7	100x75x10	500 to 550	BALANCED.			
BULKH'D, FR. No. 48	8	INV. ANGLES		1-922 m ³			
" " " "				Fotging 160mm.			
" " " "				Fotging 195mm.			
" " " "				Fotging 140mm.			
" " " "				FABRICATED. HITACHI S.B. & E.			
COLLISION " " "	6, 7, 8	125x9 FLAT BAR, AND 100x75x7	500	Double 10mm Plating			
AFTER PEAK " " "	8 & 11	INV. ANGLES		HORIZONTAL			
	FR. No. 78	100x9 FLAT BAR, AND 125x9 FLAT BAR	400 to 500	OPEN HEARTH.			
	FR. No. 7						
Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture).							
THE YAWATA IRON AND STEEL Co., Ltd., KAWASAKI STEEL CORPORATION (FUKUI PLANT); AMAGASAKI IRON AND STEEL Mfg. Co., Ltd.; NIPPON KOKAN KABUSHIKI KAISHA. (KAWASAKI IRON WORKS)							
Has the Steel been tested as required by the Rules? YES							

Steering Gear, Type (Power or hand) URAGA ELECTRO HYDRAULIC Type 2R-3. ✓ Alternative Means of Steering HAND OPERATED PUMP. ✓

Steering Chains (Size and Test) 25mm Steel Spindle Rods with Bevel Gears & U. Joints. ✓ Windlass ELECTRIC. N° E.W.D.-1392 ✓
Insulation of Deck Head in Holds.- 238 mm. Thk. of Alflex, Waterproof Paper, & Sugi Wood. ✓
Insulation of Shell Side in Holds.- 238 mm Thk. of Cork board, Waterproof Paper & Sugi Wood. ✓
Ceiling in Holds, thickness and material 275mm Thk. of Cork board, Waterproof Paper & Matsu Wood. ✓ Cargo Battsens, thickness, material and spacing _____
Thickness of Inner Insulated Hatch Covers. 150mm. (Wood & Cork) ✓
Outer Thickness of Hatch Covers - 50mm. Matsu Wood. ✓

argo Hatchways.—(Upper Deck) { STEEL PLATES AND SECTIONS ✓
Coamings insulated inside and outside by 50mm Matsu Wood. ✓

Size of Hatchways No. 1 (Fwd.) { N°1 FISH HOLD (Ct.) ✓ N°2 FISH HOLD (Ct.) ✓ N°1 PRECOOLING & FREEZING TANKS ✓ LIVE BAIT TANK (Ct.) ✓ N°2 PRECOOLING & FREEZING TANKS ✓
1 M 092x1 M 200 ✓ No. 2 1 M 092x1 M 200 ✓ No. 3 P. & S ✓ No. 4 _____ No. 5 _____
INSIDE STEEL COAMING. (Similar to N°1) (Similar to N°1) (Similar to N°1) (Similar to N°1)
800x900mm. CLEAR
OPENING INSIDE
THE INSULATION
AT DECK.

umber of Shifting Beams _____
and/or Fore and Afters _____

INSULATION IN PRECOOLING & QUICK FREEZING TANKS.
Shell. 265 mm. Thk. of Corkboard, Waterproof Paper, & Sugi Wood.
Deck Head. 265 mm Thickness of Alflex, Water Proof Paper, & Sugi Wood.
Btm. Ceiling. 290mm Thk. of Cork board, Water proof Paper, & Matsu Wood
And all internal surfaces covered with 3.2 mm. Stainless Steel Plate.

Builder's Signature Manoakira Ikeda

Old Scale 90%	£207,000.-	} Fees applied for, 19	(Special notations, where part of class, to be stated.)
the amount of Entry Fee..... £ : :			
New Scale 10%	32,000.- ✓	} Received by me, 19	I am of opinion the Vessel should be Classed 100A1 FISHING VESSEL Strengthened for Navigation in Ice.
Special Survey Fee..... £ : :			
Actual Fee	£239,000.-		Signature <u>W. H. Henckel</u> <u>Alex. H. Holkins</u> Surveyor to Lloyd's Register of Shipping.
Travelling Expenses, if any £ :			
State whether the Vessel has been built under Special Survey YES.			
Certificate to be sent to Kobe	Date of issue 5. 8. 59		

Committee's Minute / FRIDAY 24 JUL 1950

Character assigned + 100 AI
For Fishing Purposes

LACP DS 4.59

Strengthened for
Navigation in Ice

+ LMC
ES
DBS } 6.59
TS CL

NOTED FOR POSTING 17

Noted for Header

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0134 2/3

GENERAL REMARKS—(The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans showing Vessel as built should be forwarded and a List of the Plans should be embodied.)

GENERAL DECLARATION (Continued)

The Steering Gears, Windlass, Anchors and Cables, have been tested under working conditions and found satisfactory. The heating coils in Oil Fuel and Fresh Water Tanks have been satisfactorily tested under hydraulic pressure. The Bilge Suctions, and Eductor have been tested, and found in order. The Sea Valves to the Live Bait Tank, 4 in 130mm. dia, with their portable extended spindles and control handwheels, have been tried out, and found to be satisfactory.

SISTER VESSEL :- M.V. "DNEPR" (Hitachi Ship No 3872) Kobe F.E. Report No 6491 dated 7th, May, 1959.

THE FOLLOWING PLANS ENCLOSED:-

1. GENERAL ARRANGEMENT
2. MIDSHIP SECTION
3. CONSTRUCTION PROFILE AND DECKS.

Please refer also to the original approved plans, and "As fitted" drawings, submitted with the F.E. Report No 6491 dated 7th, May, 1959 for the sister vessel M.V. "DNEPR".

THE FOLLOWING CERTIFICATES ENCLOSED:-

- HULL INTERIM CERTIFICATE. (Rpt. 10.)
- DERRICK TEST CERTIFICATE. (Rpt. 10.)
- STEERING GEAR CERTIFICATE (Rpt. 10.)
- CASTING AND FORGING CERTIFICATES (See Attached List)

Circular No 2051

Navigation Aids :- Nil.
Type of Ship :- Tuna Fishing Vessel
Moulded Dimensions :- L. 154'-2 3/8" B. 29'-6 1/4" D. 13'-9 3/8"
Breadth Extreme :- 29'-9 1/2"
Rise of Floor :- 500mm. (19.685")

PARTICULARS OF ELECTRIC WELDING (if employed) MAIN STRUCTURE ELECTRICALLY WELDED WITH THE EXCEPTION OF THE FOLLOWING CONNECTIONS WHICH ARE RIVETTED :- UPPER DECK STRINGER ANGLE TO DECK AND SHELL. UPPER SEAM OF BILGE SHELL PLATING "B" TO "C". BEAM KNEES TO UPPER DECK BEAMS. UPPER DECK BULWARK TO SHEERSTRAKE. THE RULES APPLYING TO ELECTRIC WELDING HAVE BEEN COMPLIED WITH. APPROVED ELECTRODES EMPLOYED. RADIOGRAPHIC INSPECTION OF WELDING WAS CARRIED OUT, WITH SATISFACTORY RESULTS.

SPECIAL NOTATIONS :- Either as part of the vessel's class or for record in the Register Book
FISHING VESSEL. MACHINERY AFT. OIL ENGINE. LLOYDS A&C.P.
DIRECTION FINDER. ECHO SOUNDING DEVICE. PART ELEC. WELDED.
STRENGTHENED FOR NAVIGATION IN ICE.

RADAR Equipment (State if fitted) NO

State Type or Pattern No.

State Name of Maker and/or Supplier A mast for Radar is fitted on board and the Owners state, the equipment will be installed at the U.S.S.

Particulars of Drop Test of Cast Steel Anchors, viz. :- Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower 8cwt. 0gts. 14lbs. ✓ S. Takenaka. Y-13707. 23rd, December, 1958
	2nd " 8cwt. 0gts. 14lbs. ✓ S. Takenaka. Y-13708. 23rd, December, 1958
	3rd " 8cwt. 0gts. 5lbs. ✓ S. Takenaka. Y-13709. 23rd, December, 1958

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 43.31 ft. (13M200), R.Q.D. — ft., Bridge — ft., Forecastle 38.0 ft. (11M5)

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated Poop and Bridge Deckhouse are continuous.

Official No. Not Available. Signal Letters P.M.B.T. Extreme Breadth over Belting 29.79' (9M080) Over-all Length 173.56' (52M900) (Circ. 1611) (Circ. 1703)

No. and Material of Decks One Deck. Steel ✓

Parts of Bottom of Vessel coated with cement or approved composition None.

Particulars of composition (if fitted) and of approval

PARTICULARS OF WATER BALLAST:—(Comprising all tanks which may be used for Water Ballast. (Circ. 1284) Wells are not to be included in the lengths of the tanks, but Cofferdams and Dry Tanks (if tested) are to be included.)

Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft, No 2 W.B. or F.O. Tank (5M500)	18.04	17.70	Fore peak tank, O.F. or W.B.		
Double bottom, under Engine and Boilers, No 3 W.B. or F.O. Tank (4M400)	14.435	20.84	After peak tank, Drinking Water Tanks, P&S.	10.826	F.V.
Double bottom, No 4 W.B. or F.O. Tank (4M400)	14.435	24.50	Transom, Washing Water Tank.		F.V.
Double bottom, if under Engines only, No 5 F.O. Tank (7M700)	25.26	O.F.	Deep tank, forward, No 1 Fuel Oil Tank (6M600)	21.653	37.1
Double bottom, if under Boilers only,			Other tanks, if fitted,		
Double bottom, forward,			(If necessary furnish further information by sketch.)		
Total length (if continuous) and Capacity.	72.17	pts. SW. pt. O.F.			

Order for Special Survey No. 3783
Date 9-8-58
Dates of Surveys held while building
AMH: 1958, Sept. 10, 17, 30, Oct. 15, 22, 28, Nov. 4, 10, 12, 18
WNH: 1958: Dec. 2, 4, 5, 9, 12, 16, 18, 23, 24, 30
1959: Jan. 5, 8, 9, 12, 14, 15, 19, 20, 22, 23, 26, 28, 29, Feb. 4, 5, 10, 12, 16, 17, 19, 24, 26, 27, Mar. 4, 12, 20, 25, 26, Apr. 7, 9, 16, 21, 24, 27, May, 4, 13, 15, 20, 25, June, 3 & 4

Total No. of Visits

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