

DISCLOSED SECTION

17 NOV 1960

Rpt. 1 No. 856 A

Port KOBE No. FE-8236

Date of completing report 24th Sept., 1960 When handed in at Local Office 22nd Oct., 1960 Received London

Survey held at Tamano First Visit 17th Feb., 1960 Last Visit 25th Aug., 1960 No. of Visits 79

F.E. FROM ACCTS	18/11.
F.E. FROM ADMIN/F	23/11
PLANS RECD	X
CERTS. RECD	Y
TO RPIS. DEPT	Has Report Been sent on (1) Freeboard of Ship? No - Rpt. C11 only (2) Machinery? Yes

FIRST ENTRY SHIP REPORT

ON THE SS/MS "NAGAOSAN MARU" ^{ET N/N MARITIME} _{EXPLORER}

DISCLOSED SECTION 856 A

(Rpt. C11 & Rpt. C11 (Comp.) are to be forwarded in advance when freeboards are assigned by the Society. In cases where freeboards are assigned by another Authority or when ships are exempt from Load Lines, Rpt. C11 only need be forwarded).
Single screw motorship with scantlings suitable for a summer

Type of Ship draught of 7,600 mm measured from top of keel. Is machinery fitted aft? No

Length (D 201 of Rules)*	122.68 metres ✓	Built at	Tamano
Breadth (D 202 of Rules)	17.6 metres ✓	Launched	9th June, 1960 Yard No. 641
Depth (D 203 of Rules)	10.7 metres ✓	Builders	Mitsui Shipbuilding & Engineering Co., Ltd., Tamano Works.
Draught (summer moulded) (D 204 of Rules)	7.6 metres	Owners	Mitsui Steamship Co., Ltd.
Deck Factor "F" excluding dt		Address	2-Nihonbashi Muromachi, Chuo-ku, Tokyo
" " "F" including dt		Managers	K. Shindo
Gross tonnage	6,554.87	Address	As Owners
Net tonnage	3,921.56	Port of Registry	Tokyo
Official number	85430	Date of last survey in drydock	29th July, 1960
Signal letters	J D O J		

GENERAL DECLARATION

Has the ship been built under Special Survey in conformity with the Society's Rules and Regulations and Secretary's letters? Yes ✓

Have the scantlings and arrangements of the ship as built been checked by you and found to be in accordance with the approved plans or with equivalent arrangements? Yes ✓

Have any modifications and/or additions to the original approved arrangements made during construction, been indicated in ink of a distinctive colour other than red on the approved plans now forwarded, and approved locally as being in accordance with or by standards equivalent to Rule requirements? Yes

If separate plans of midship section and profile and decks showing the ship as built are forwarded, have they been checked with the approved arrangements and found in order? Yes

Are the materials and workmanship satisfactory? Yes ✓

Have the freeboards been satisfactorily marked on the ship's sides and verified? Yes (As Assigned by the N.K.) ✓

BUILDER'S DECLARATION: To the best of my knowledge the ship has been built in conformity with the Rules, Regulations and requirements of Lloyd's Register of Shipping.

MITSUI SHIPBUILDING & ENGINEERING CO., LTD., TAMANO WORKS.

S. Takata
Managing Director.

Builder's Signature

FEES, etc.

Special Survey fee ¥1,556,000.-

Travelling expenses /

Late attendance fees /

Fees applied for Received

Classification Certificate to be sent to Surveyors Kobe

Date of issue 24.2.61

Has an Interim Certificate been issued? Yes attached FE-65543.

This Ship in my opinion is eligible to be classed:—
(Special notations where part of class to be stated)

100A1 "Longitudinal framing midship at bottom & deck"

Signature *A. Kersey for A. Jacobs, Self.*
Surveyor(s) to Lloyd's Register of Shipping
A. Jacobs & G.M. Kersey.

Committee's Minute FRIDAY 10 FEB 1961

Character Assigned +100 A1
MTf - Vegetable Oil
LACP DS 7.60

Write Kob (Rtm)

KOB 6,59

+LMC
ES
ABS } 8.60
SPS
TS CL



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Lloyd's Register Foundation

014784-014793-021812

* In the case of Trawlers see Trawler Rules

The Surveyors are requested not to write on or below the Committee's Minutes

STEEL

Manufacturer's Name and/or Trade Mark of the steel used in the construction of the ship:—

Plates:— Fuji Iron & Steel Co.,Ltd.
 Yawata Iron & Steel Co.,Ltd.

Sections:— Yawata Iron & Steel Co.,Ltd.
 Fuji Iron & Steel Co.,Ltd.
 Nippon Kokan K.K.

Has the steel been manufactured at works recognised by the Committee and tested in accordance with the Rules? Yes

Process of manufacture (e.g. Open hearth, electric furnace, etc.) Open Hearth

Particulars of Special Quality Steel used
 (Advice notes to be forwarded separately with plan showing disposition of these plates)
 P5 steel is used on sheerstrake S8 & S10, upper deck plates from S6 to S12 and hatch corner plates
 C7, C10, C12, C13, C15, C17, C19, C21, C24 & D7

ELECTRIC WELDING
 Parts of main structural importance electrically welded All bottom plates except bilge plate (D/E, E/F Seam) side shell except
 sheerstrake (J/S Seam) and upper deck except stringer angle.

Parts examined by radiography Sufficient parts of bottom, bilge, side shell and upper deck plating.

Were the electrodes used of types approved by the Committee? Yes

FORGINGS, CASTINGS AND FABRICATED PARTS

ITEM	FORGING, CASTING OR FABRICATED (Certificates to be forwarded)	MAKER'S NAME
Stem bar	Plate Stem	
Shaft brackets	-	
Sternframe	Built up type with 3 portions Cast Steel, As Approved	Sumitomo Metal Ind. Ltd., Osaka <input checked="" type="checkbox"/>
Rudder mainpiece or post	Main Piece, Cast Steel, As Approved.	Do. <input checked="" type="checkbox"/>
Rudder head	Forged Steel, As Approved	Do. <input checked="" type="checkbox"/>
Quadrant	-	
Tiller	Forged Steel, As Approved	Mitsubishi Shipbuilding & Eng., Co., Ltd., Nagasaki <input checked="" type="checkbox"/>

GENERAL PARTICULARS Electro-Hydraulic, Mitsubishi S.B. & E. Co., Ltd.
 Steering gear (Type & Maker) Auxiliary steering gear Two independent sets of pumps & motors

Steering chains (Size & test) None Windlass (Type & Maker) Electric Yutani Heavy Ind., Ltd.

Ceiling in holds (Material & thickness) Matsu 65 mm Are cargo battens fitted in holds? Matsu 50 in 'tween decks? Matsu 50

Parts of bottom plating on which cement or an approved composition is laid (if fitted):— EPT, APT, Fresh water, feed water, ballast W.T.

Particulars of composition (if any):— Bitumastic Solution & Enamel - Chain Locker

Insulated cargo compartments (if any):— In No. 3 Tween deck fr. 85-109 port & starboard with 50mm glass wool + 175mm
 Toyoflex (Alflex) for ceiling and shell side, 250mm Toyoflex (Alflex) for side wall and 180mm foamnite for floor.

Parts of structure of material other than steel (if any):— None

If mechanical ventilation is fitted, state in which cargo spaces:— Mechanical ventilation is fitted in every cargo hold.

If cathodic protection is fitted, state in which tanks:— No



EQUIPMENT

Number 3,586.6 M2 ✓

Letter a † ✓

ANCHORS

Certificate No.	Anchor	Weight of Anchor			Weight of Stock (if any)			Test per Certificate				Rule weight	Description of Anchor	Where and when tested
		kg.	lb.	oz.	kg.	lb.	oz.	Stk.	kg.	lb.	oz.			
Y-15623	Bower (1)	65	2	25	-	-	-	51	10	0	0	65½ ✓	Hall's Stockless	Yokohama 21-4-60
Y-15624	" (2)	65	3	19	-	-	-	51	10	0	0	65½ ✓	do.	do.
Y-15625	" (3)	66	0	13	-	-	-	52	3	0	0	65½ ✓	do.	do.
	Coll. wt.	197	3	17								196½ ✓		
Y-15626	Stream	19	0	9	4	3	19	20	15	0	0	-	Admiralty type	Yokohama 21-4-60

CHAIN CABLES

Number of Certificate	Supplied		Test per Certificate		Weight of Chain Cable						Rule		Description and Material	Makers of Cable	Where and when tested
	Length	Dia.	Stk.	Bkg.	Supplied			Rule			Length	Dia.			
	metres	m/m.	kg.	kg.	kg.	kg.	kg.	kg.	kg.	kg.	metres	m/m.			
CC-63808	503.67 ✓	54 ✓	115.7 ✓	162 ✓	33,760 ✓	27,212 ✓	495 ✓	50.5 ✓					Electrically Welded Special Steel Link	Hamanaka Chain Mfg. Co., Ltd.	Kobe 28-4-60 11-5-60
Stream wire or chain	190M 125mm		56,500										6x12 Gal. Steel W.R.	Teikoku Sangyo Co.	Kaizuka 23-6-60

Are joining shackles of the lugless type fitted? Common Joining Shackle

TOWLINE AND MOORING ROPES

CAST STEEL ANCHOR HEAD DROP TEST

Item	Supplied		Breaking Test	Rule		Maker's Name	Certificate number	Weight (to include pins, etc.)	Surveyors' Initials	Date of Test
	Length	Circ.		Length	Circ.					
Towline	235	120	72,600	220	125	Tokyo Steel Casting Co., Ltd.	Y-15619	42-3-17 ✓	TN	18-4-60
	200	75	20,300	2x185	75	do.	Y-15620	42-3-60 ✓	TN	do.
	200	190	22,500	2x185	177	do.	Y-15621	43-0-0 ✓	TN	do.
Mooring	200	75	20,400	2x185	75	Stream	Y-15622	19-0-9	TN	do.
Ropes	200	190	22,700	2x185	177					

PARTICULARS FOR REGISTER BOOK (feet & inches)

Moulded length (see Key to Register Book) 402.50 403-7" Moulded breadth 57.74 57'-9" Moulded depth 35.11 35'-0½"

Number and material of decks Two Steel Decks ✓

Length of Poop - R.Q.D. - Bridge - Fo'cle 71.75 79 Trunk -

Overall length 434.36 ✓ Extreme breadth 57.97 ✓ Rise of floor 3.93 ✓

Is ship of O.S.D. Type? No ✓ Is ship of C.S.D. Type? No ✓ Is duct keel fitted? No ✓

Is longitudinal framing fitted? (state where) Yes, At bottom appr. ½L in Midship & U dh ✓

Is strengthening for navigation in ice fitted? (state class) No ✓

Is additional strengthening for heavy cargoes fitted? No ✓

Is the ship (if not a motorship) fitted for the carriage and burning of oil as fuel? Motorship ✓

Is the ship (if not an oil tanker) fitted for carrying oil as cargo? Yes ✓ and if so state where, together with the flash point where required to be inserted in the notation: Vegetable oil in Midship lower Deep Tank between ER & No. 3 Hold. ✓

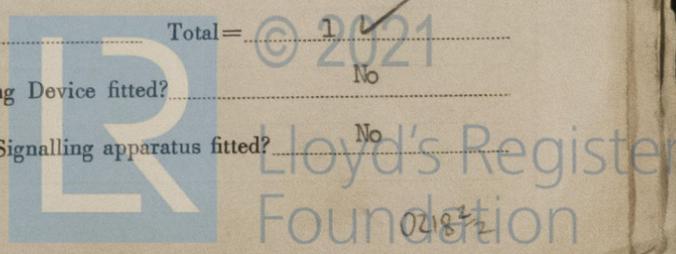
Watertight and/or Oiltight Bulkheads (state number required by Rules)

Bulkheads in ship extending to Upper deck on frame numbers: - 10, 33, 63, 85, 109, 137 & 159 Total = 7 ✓

Bulkheads in ship extending to deck below upper deck on frame numbers: - 96 ✓ Total = 1 ✓

Is E.S.D. fitted? Yes Is Radar fitted? Yes Is Position Fixing Device fitted? No

Is D.F. fitted? Yes Is Gyro Compass fitted? Yes Is Submarine Signalling apparatus fitted? No



CAPACITIES OF TANKS (35 c.f. per ton) (Capacity Plan to be forwarded)

(O.F. or F.W. ONLY to be inserted against tanks used exclusively for oil fuel or fresh water)

Double bottom tanks:— No. 1 98 T ✓ No. 2 245 T ✓ No. 3 OF ✓ No. 4 180.2 T ✓ No. 5 193.9 T ✓ No. 6 235.7 T ✓
 No. 7 see below No. 8 - No. 9 - No. 10 - No. 11 - No. 12 -
 Fore peak tank FW ✓ After peak tank FW ✓ Midship deep tank Upper. 474.0 T ✓
 Midship lower 468.6 T ✓ Deep tank fwd. - Topside tanks -
 Deep tank aft -
 Tanks at sides of tunnel No. 7 147.6 T ✓ Tanks in way of tunnel - Deck tanks -
 Side tanks - Wing tanks 145.3 T ✓ Other tanks FW Feed W DB in ER ✓

If ship is an oil tanker state the numbers of main cargo tanks used exclusively for water ballast (if any) with capacities:— -

GENERAL REMARKS

Names and yard numbers of sister or similar ships to be stated below. Numbered list of "Approved" and "As Built" plans to be given below or furnished separately (Port, Report Number, Builders' Name and Yard Number, Name of Ship and title of plan in English to be stated on outside of all plans folded to a maximum size of 11" x 9". List of forging, casting or equivalent fabricated parts, certificates to be given below with Certificate number, Port and Date.)

No sister ship.
 Section D 21 of the Rules complied with in Regard to the Carriage of vegetable oil.

The following "As Built" Plans forwarded herewith:-

- 1. Midship Section ✓
- 2. Construction Profile & Deck Plans ✓

The following "Certified Copies of Approved Plans" forwarded herewith:-

- 1. Midship Section
- 2. Shell Expansion ✓
- 3. Construction Profile & Decks
- 4. W.T. & Q.T. Bhd. ✓
- 5. Rudder & Stern Frame ✓
- 6. Double Bottom in E.R. ✓
- 7. Fore Peak Tank ✓
- 8. After Peak Tank ✓
- 9. Cruiser Stern ✓
- 10. Salon Deck and Upper Deck Girder ✓
- 11. Boat Deck and Upper Deck Girder ✓
- 12. Diagram of Special Steel
- 13. Capacity Plan ✓

The following Forging and Casting Certificates forwarded herewith:-

- Stern Frame (Lower Gudgeon) M-61697 ✓
- do - (Upper Gudgeon, Boss) M-61728 ✓
- Rudder Frame (Upper & Lower) M-62185 ✓
- Rudder Stock, Reamer Bolts & Nuts M-63237 ✓

Note: The scantlings are suitable for voyages in the loaded condition with midship upper and lower deep tanks empty.

SPECIAL FEATURES

Cruiser Stern, Part Electric Welded, Longitudinal Framing at Bottom, Plates stem, Carrying vegetable oil in Lower Midship Deep Tanks. ✓

