

STEEL

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

Plates:— Kawasaki Steel Corporation.
Amagasaki Iron & Steel Mfg. Co., Ltd.

Sections:— Kawasaki Steel Corporation.
Amagasaki Iron & Steel Mfg. Co., Ltd.

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 None
(Advice notes to be forwarded separately with plan showing disposition of these plates)

ELECTRIC WELDING
Parts of main structural importance electrically welded Main structure electrically welded throughout, except connection of bilge keel to shell angle which is riveted.

Parts examined by radiography Seams and butts of shell (27) and upper deck (8), Total - 35.

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	-	-
Shaft brackets	X Casting ✓	✓ Hitachi Shipbuilding & Eng. Co., Ltd., Chikko Shipyard
Stemframe	-	-
Rudder mainpiece & upper & lower castings	X Castings ✓	✓ Hitachi Shipbuilding & Eng. Co., Ltd., Chikko Shipyard
Rudder head	X Forging ✓	✓ Hitachi Shipbuilding & Eng. Co., Ltd., Chikko Shipyard
Quadrant	-	-
Tiller	X Casting ✓	✓ Messrs. Tokyo Kikai Co., Ltd., Tokyo

GENERAL PARTICULARS

Steering gear (Type & Maker) Electric-hydraulic, Tokyo Kikai Co. Ltd., Tokyo Auxiliary steering gear Manually operated hydraulic gear

Steering chains (Size & test) - Windlass (Type & Maker) Hydraulic Tokyo Kikai Co., Ltd., Tokyo

Ceiling in holds (Material & thickness) Wood 50 mm Are cargo battens fitted in holds? Yes in 'tween decks No Tween Deck

Parts of bottom plating on which cement or an approved composition is laid (if fitted):— Cement on bottom of fore peak tank After W.B. tank frs. 6-13 and void space frs. 6-10 (P

Particulars of composition (if any):— None

Insulated cargo compartments (if any):— None

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

If mechanical ventilation is fitted, state in which cargo spaces:— None

If cathodic protection is fitted, state in which tanks:— None

EQUIPMENT

Number 523.74

Letter f

ANCHORS

Certificate No.	Anchor	Weight of Anchor		Weight of Stock (if any)	Test per Certificate				Rule weight	Description of Anchor	Where and when tested
		cwt	qr. lb		T	G	Q	Lbs			
Y-18700	Bower (1)	9	0 19	-	12	0	0	0	9 cwt	Latest improved Halls type	Tokyo 11-12-1962
Y-18701	" (2)	9	0 17	-	12	0	0	0	9 cwt	Stockless Anchor CS head & shank F.S. shackle & Pin	Tokyo 11-12-1962
	" (3)										
	Coll. wt.	18	1 8						18 cwt		
Y-18705	Stream	3	1 15	0 3	13	6	8	0 0	3 cwt 1 qr (Ex. stock)	Admy Pattern C.S. body & stock F.S. Shackle & Pin	Tokyo 11-12-1962

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.	Stat.	Bkg.	Supplied	Rule	Length	Dia.			
CC-84289	303.15	24	22,830	34,220	4,054	3,790	300	25.5	M.S. Electrically Welded Special Steel Stud Link Chain Cable	Koyo Chain Mfg. Co., Osaka	Osaka 11-12-1962
This certificate includes 16 joining, 2 anchor and 2 buoy shackles and 2 swivels. Two lengths of the above chain cable are made up of 2 lengths of 12.5 metres.											
CC-85327			4,200	-	-	-	-	-	Stream anchor shackle for 2 1/2 mm stud link chain cable	Koyo Chain Mfg. Co., Ltd., Osaka	11-12-1962
Stream wire or chain	100M	2 3/4"	16.14	130Kgs			90	1720	6 x 12 G.F.S.W.R.	Tokyo Seiko Kaisha, Kokura	Kokura, 26-12-1962

Are joining shackles of the lugless type fitted? Yes

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.	Ins.	Tons or kilograms.	Length	Circ.					
6 x 12 Towline G.F.S.W.R.	145	2 1/2"	13.48	145	145	124.80	Tokyo Steel Casting Co., Ltd.	Y-18667	6 - 0 - 2	TN	6-12-1962
							do.	Y-18668	6 - 0 - 0	TN	6-12-1962
Mooring	165	26	58	145	145	4170	Tokyo Steel Casting Co., Ltd.	Y-18696	4 - 1 - 0	TN	6-12-1962
Ropes	165	45	1.45	145	145	4170					

PARTICULARS FOR REGISTER BOOK (feet & inches)

Moulded length (see Key to Register Book) 144'-4 1/2" Moulded breadth 24'-7 1/2" Moulded depth 11'-3 13/16"

Number and material of decks One complete steel deck, second deck, steel, forward & aft of engine room.

Length of Poop - R.Q.D. - Bridge - Fo'c'se - Trunk -

Overall length 157'-11" Extreme breadth 25'-1 7/8" Over Shell Rise of floor 16 3/4"

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) No

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? No and if so state where, together with the flash point where required to be inserted in the notation:—

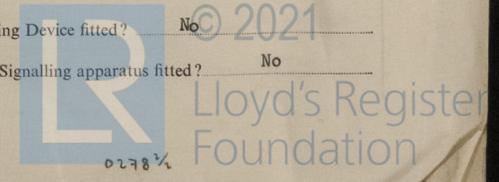
Watertight and/or Oiltight Bulkheads (state number required by Rules) 4

Bulkheads in ship extending to Upper deck on frame numbers:— 3, 6, 13, 24, 40, 50, 60, 66, 70 Total = 9

Bulkheads in ship extending to deck below upper deck on frame numbers:— None Total = None

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

Is D.F. fitted? No Is Gyro Compass fitted? No 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)

	Fr. 6-13	Fr. 40-45	Fr. 45-50	Fr. 50-60	Fr. 60-66	
Double bottom tanks:—	Next 9.97	Next 11.4 P&S (F.W.) only	Next Void	Next 13.55 P&S (W.B. or F.W.)	Next Void	No. 6 -
	No. 7 -	No. 8 -	No. 9 -	No. 10 -	No. 11 -	No. 12 -
Fore peak tank	Void	After peak tank	-	Midship deep tank	-	-
Deep tank aft	-	Deep tank fwd.	-	Topside tanks	-	-
Tanks at sides of tunnel	5.3 P & S (O.F. only)	Tanks in way of tunnel	At centre 16.24 (O.F.) only	Deck tanks	-	-
Side tanks	-	Wing tanks	-	Other tanks	-	-

If ship is an oil tanker state the numbers of main cargo tanks used exclusively for water ballast (if any) with capacities:— **Not an oil tanker**

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.)

Sister Ships Messrs. Hitachi Shipbuilding & Engineering Co., Ltd., Yard No. 3961 & 3963, Messrs. Iahikawajima-Harima Heavy Ind. Ltd., Yard No. 844, 845. Messrs. Uraga Dock Co., Ltd., Yard No. 830, 831, 832.

List of "As Built" Drawings Forwarded

1. Midship Section. ✓
2. Profile & Decks. ✓
3. Shell Expansion. ✓
4. Bulkheads. ✓
5. Rudder. ✓
6. Shaft Brackets. ✓
7. Bottom Construction (Includes Engine Seating). ✓
8. Scheme of Welding. ✓
9. Capacity Plan. ✓
10. General Arrangement. ✓

List of "Approved" Plans forwarded with F.E. Report of Yard No. 39

1. Midship Section.
2. Profile & Decks. See P045
3. Shell Expansion.
4. Bulkheads. (See Profile & Deck)
5. Rudder.
6. Shaft Brackets.
7. Bottom Construction (Includes Engine Seating)
8. Scheme of Welding.

List of Forging, Casting, etc. Certificates attached.

<u>Certificate</u>	<u>Number</u>	<u>Port</u>	<u>Date</u>
Shaft Brackets	M-84280 ✓	Kobe	12.12.62
Rudder Mainpiece	M-84283 ✓	Kobe	12.12.62
Rudder Upper & Lower Bearing	M-84284 ✓	Kobe	12.12.62
Rudder Stock	M-83726 ✓	Kobe	19.11.62
Steering Gear	M-8787 ✓	Yokohama	22.12.62
Tiller	Y-18782 ✓	Yokohama	19.12.62
Windlass	M-8989 ✓	Yokohama	25.2.63

SPECIAL FEATURES



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