

004426-004431-0009<sup>1</sup>/<sub>3</sub>



# PILLARS AND DECKS.

	INCHES IN SHIP.				Any Departure from Approved Plans to be Noted.	INCHES IN SHIP.				Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows	12	150	75	9						
Longitud. brd. stiff.	2-3	170	90	9						
" " " "	4-5	200	90	10						
" " " "	6	225	90	10						
" " " "	7	250	90	12						
" " " "	8-11	230	9-190	15	8.95	35-7.49	2.52			
" " " "	12	236	10-190	16	9	358-7.5	52			
" " " "	13-14	266	10.5-210	16	10.5	41-8.25	62			
Centre Line Bulkhead.										
Stiffeners and Spacing										
Plating, thickness of										
STRINGERS AND DECKS.										
Uppermost Continuous Deck.										
Stringer Plate, breadth and thickness in Wells		2150		80						
" " " " in way of Bridge				92						
" " " " and poop front.										
" " Angle in Wells				E.W. to shell						
Thickness of Plating abreast Deck openings in way of Wells				72						
Thickness of Plating abreast Deck openings in way of Bridge										
Thickness of Plating within line of openings				72						
If Sheathed, material and thickness										
Second Deck.										
Stringer Plate, breadth and thickness in Wells				36-40						
Stringer Plate, breadth and thickness in way of Bridge										
Thickness of Plating abreast Deck openings in way of Wells				72						
Thickness of Plating abreast Deck openings in way of Bridge										
Thickness of Plating within line of openings				72						
If Sheathed, material and thickness										
Third Deck.										
Stringer Plate, breadth and thickness										
If Plated, state thickness										
Fourth Deck.										
Stringer Plate, breadth and thickness										
If Plated, state thickness										
Poop Deck.										
Stringer Plate, breadth and thickness										
Plating, Sheathing, material and thickness										
Bridge Deck.										
Stringer Plate, breadth and thickness										
Plating, Sheathing, material and thickness										
Forecastle Deck.										
Stringer Plate, breadth and thickness										
Plating, Sheathing, material and thickness										

## SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if joggled?	SINGLE OR DOUBLE.	RIVETS.		No. of ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.				Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
		Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.		
Flat Plate Keel.....	2040	.96	.83	.83									
„ Dblg. (if any)													
Bottom Plating, No. of Strakes .....3.....		.72	.81	.76	.54	.52							
Bilge Plating, No. of Strakes .....1.....		.82	.73	.64	✓								
Side Plating, No. of Strakes .....3.....		.66	.50	.50	✓								
Upper Deck, Sheer- strake in Wells.....	2190	.97	.56	.50	✓								
Upper Deck, Sheer- strake <del>in</del> Bridge and and poop trans.		1.10	✓	✓									
Strake below Sheer- strake in Wells.....	2350	.66	.50	.50	✓								
Strake below Sheer- strake in Bridge ...													
Poop Side Plating.....			.48	.42	✓								
Bridge Side Plating.....		.44	✓										
Forecastle Side Plating			.44	✓									
Seams and butts are butt-welded. Angle of rise about 50°.													

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel	14 for Record
Extending to Upper Deck (Sec. 3 c)	13 to upper deck.
" Deck next below	1 to 2nd deck.
As per Rule	✓

## FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar		Flat plate keel.		
STEM		Plate as appor.		
STERN FRAME	Propeller Post	Cast as per		
	Rudder	steel plate. Q. B. Metals		
Speed of Vessel		Forg. 270 #		
RUDDER—Type		14.5 knots.		
" A x D x 100		Simplex balance.		
" Diam. of head		1262 mi		
" Mainpiece at top pintle		Forg. 296 #		
" " heel		Shodas Work		
" how constructed				
" double or single plate		.59		
" coupling, vertical or horizontal		Horizontal.		

## STIFFENERS.

	Plating Thickness.	VERTICAL.				HORIZONTAL.			
		Scantlings.	Spacing.	Scantlings.	Spacing.	Scantlings.	Spacing.	Scantlings.	Spacing.
Centre bulkhead.		3 mls		3 x 5 x 5/16					
MIDSHIP BULKH'D, Upper 'tween deck	34-51	as approved.		90 x 250 x 13.5		780			
Side bulkhead.		1 mls		3 x 5 x 5/16					
" " Second	34-51	as approved.		90 x 250 x 12.5					
" " Third									
" " Hold	29-51			90 x 200 x 12		800			
COLLISION	(in Hold)								
AFTER PEAK		30-72		75 x 130 x 8		800			

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)	and Open Hearth Process.	Järnvarke A. B. Sigsfors.	Domnarfvet Järnverk and Sigsfors.	Has the Steel been tested as required by the Rules?	Yes.
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Mascara. Rockham. M/T "SOYA-MARIA", No. 305.

## PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.	AMIDSHIPS.			ENDS.			Any Departure from Approved Plans to be Noted. *) Amidships. **) Ends.	Welding & Spacing of Welds.			
	In Ship.			In Ship.				Rivets in Longitudinal Frames. Diam. Ins. Speng. mm.	Spacing of Rivets on each side of Transverses and Bulkheads. mm.	Rivets in Brackets to Bulkheads. Number. Diameter. Inches.	
	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.					
Framing of <b>L, X or I</b> ... in Bridge Deck ... from Uppermost Continuous Deck ... 825 Spacing 780 mm. 825 800 24	No. 1	200	90	9	A. 6	3 1/2	3/8	150 x 90 x 10 *)	80/230		
	" 2	200	90	9	A. 6	3 1/2	3/8				
	" 3	200	90	9	A. 6	3 1/2	3/8				
	" 4	225	90	11	A. 6	3 1/2	3/8				
	" 5	250	90	11	A. 6	3 1/2	3/8				
	" 6	250	90	12.5	A. 6	3 1/2	3/8				
	" 7	250	90	14	A. 6	3 1/2	3/8				
	" 8	230 x 9 - 210 x 15			A. 6	3 1/2	3/8	9 x 358 - 7 1/2 x 57 *)	80/230		
	" 9	230 x 9 - 210 x 15			A. 6	3 1/2	3/8				
	" 10	230 x 9 - 210 x 15			A. 6	3 1/2	3/8				
	" 11	230 x 9 - 210 x 15			A. 6	3 1/2	3/8				
	" 12	236 x 10 - 210 x 16			A. 6	3 1/2	3/8	9 x 39 - 2.532 x 63 *)	80/230		
	" 13	266 x 10.5 - 210 x 16			A. 6	3 1/2	3/8	10.5 x 41 - 8.25 x 62 *)	80/230		
	" 14	302 x 11 - 250 x 17			A. 6	3 1/2	3/8	11.94 x 43 - 8.995 x 662 *)	6		
	" 15	302 x 11 - 250 x 17			A. 6	3 1/2	3/8	(at long. brd.) **)			
	" 16	340.5 x 13 - 250 x 20.5			A. 6	3 1/2	3/8	13 3/8 x 50 - 10 x 792 *)	6 1/2		
	" 24	See above			F. 9	4	5/8	No. 19 - 21 *)			
		At Ends			F. 9	4	1 1/16	No. 22 - 24 **)			
Tank Top Longitudinals					7	4	3/8				
F.P.T. Bottom					6	3 1/2	3/8				
of Longitudinals											
Transverses.											
Depth and Thickness	500-650 x 40				455 x 38						
Face Angles	75°				75°						
Lugs to Shell	EW				EW						
Depth and Thickness	450-700 x 40-46				610 x 760 x 40						
Face Angles	150 x 10 - 150 x 12				150 x 13						
Lugs to Shell	EW				EW						
Depth and Thickness	1800 x 52				840 x 50						
Face Angles	1300 x 48				900 x 48						
Lugs to Shell	EW				280 x 14						
Back Bars					300 x 30						
Brackets											
Spacing of Transverse Frames	3260										
Bridge Deck	5	3 1/2	3/8		130 x 75 x 8			130 x 65 x 8.5 *)	865		
Upper	250	90	12.5		F. 140 x 75 x 9				800		
Second					A. 150 x 75 x 9				800		
Third					A. 130 x 75 x 7				800		
					F. 5 x 3 1/2 x 3/8			F. 130 x 65 x 7 **)			

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, &c., to be entered in their respective places provided for on the Report Forms.

NOTE.—This slip to be pasted on the fourth page of the Report, and reference to same to be made under framing, &c., on the first page.

A = Aft in way of E. R.

F = Fore in way of dry tank & dry cargo hold.



EQUIPMENT No. 52603.

LETTER f 4

ANCHORS.

Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.			WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested, and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.			
53536	1st Bower	87	-	-				61	17	2	0	{ Ogden's Improved W.L. Ogden's } { Type Cast Steel & Co. Ltd. } { Thread. }	Jamm. 7.4.49 Stone	" 28.1.48 Hills
51834	2nd "	86	0	21				61	17	2	0			
52019	3rd "	85	3	21				61	10	0	0			
51670	Collective weight	257	0	14				26	13	0	14	Rodgers	G. Blair & Co. Ltd.	" 12.12.47 "

## CHAIN CABLES.

## HAWSERS AND WARPS.

Number of Certificate.	Length and size supplied.		Test per Certificate.		WEIGHT OF CHAIN CABLE.			Length and size per Table 53.		Description.	Makers of Cables.	Where and when tested, and Superintendent.	Material.	Length and size supplied.		Breaking Test of Steel Wire.	Length and size per Table 53.	
	Fathoms.	Ins.	Tons.	Break-Ing.	Supplied.	Per Rule.		Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
2211 F	240	2 1/16	120 1/10	169 1/4	922-3-0	832	2	300	2 1/16	Steel	Lynne W. W. 28.4.48 SW		TOWLINE	130	5 1/2	85.8	130	5 1/2
2465	60	2 1/16	120 1/10	169 1/4	213-2-0	208				"	Commas 28.4.48 TB	1-12-48 TB	HAWSERS & WARPS	4x100	3 1/2	27.7	4x100	2 3/4
	300																	
Iron Stream	120	5			74.5			120	5									

Steering Gear, Type (Power or hand)

Electric Area

Alternative Means of Steering

Electric Area

Chains (Size and Test)

Windlass

Steam Throwing

Boats

4 (2 ord. + 2 motor)

Cargo

Holds, thickness and material

None

Cargo Battens, thickness, material and spacing

None

Chways.—(Upper Deck)

Thickness of Hatches

Chways

No. 1 (End) 3430x3380

No. 2 1500x1070

No. 3

No. 4

No. 5

No. 6

Shifting Beams  
ore and Afters

Builder's Signature

KOCKUMS

MEKANISKA VERKOTADS AKTIEBOLAG

T. H. H. H. H.

The Builder

## DECLARATION.

It should be stated (a) whether the vessel (if not a motorship) is fitted for the carriage and burning of oil used as fuel. Motorship. Whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo. The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point (where required to be inserted in the Notation).

Oil has been built in conformity with the Society's Rules & Regulations & Surveyor's letter. The scantlings and arrangements are in accordance & equivalent to those shown on the approved plans. The materials and workmanship are good.

Oil tanks, cofferdams, oil fuel bunkers and daily oil fuel tanks, deep and all compartments in double bottom under motor space, the peak & the fresh water tanks aft have been tested by water pressure as required by the Rules. The decks & watertight bulkheads clear of tanks and cofferdams have been tested.

Deckboard markings have been verified and entered in on the vessel's sides. Steering gear & windlass tested under working conditions with satisfactory results. Vessel undocked on the 22nd June, 1949.

Onboard  
The amount of ~~Survey~~ Fee. Re. 720.00  
Special Survey Fee. Re. 24.890.00  
Travelling Expenses, if any. Re. 360.00

Fees applied for,  
30-6-1949Received by me,  
19

(Special notations, where part of class, to be stated.)

I am of opinion the Vessel should be Classed

Carrying Petroleum in bulk

Signature

Surveyor to Lloyd's Register of Shipping.

State whether the Vessel has been built under Special Survey

Certificate to be sent to

Sms. Office, Malindi

Date of issue

10/8/49

Committee's Minute

FRI. 22 JUL 1949

Character assigned

+100A1 Carrying Petroleum in bulk

June 6, 49

Lloyd's A &amp; C.P.

+LMC 6,49 Oil Eng. Subject

2021

S.L.

2DB 17016

Lloyd's Register  
Foundation

0009 3/3



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.)

No Sister Vessel.

Plans of the vessel as built, 3 in number, i.e. midships section, Profile and Plans and O.T. Bulkheads, Centre girder, wash bulkheads are forwarded under separate cover, also the following approved plans:—

1. Midships section. 214/1 Q.
2. Profile and plans. 214/2 Q.
3. O.T. Bulkheads, Centre Girder, Wash Bulkheads. 214/7 Q.
4. Shell expansion. 214/15 Q.
5. Sternframe. 214/10 Q.
6. Rudder and rudder stock (2) 214/9 IK, 214/9 II Q.
7. Double bottom. 214/13 Q.
8. Arrangement of Pump room at frame #64-65. 214/S-154.
9. Wels in tanks 1, 2, 9 and 10. 214/S-11Q.
10. Bridge deck with Bulkheads, Wels, Bombardier & Gyro Room. 214/43 Q.
11. Boiler seats. 214/S-22 Q.
12. Shell expansion at cofferdams amidships. 214/S-141.
13. Casings for sea valves in motor room. 214/S-151.
14. Hatch in Main Deck for Bombardier's system. 214/188 Q.
15. Strengthening of E girder in way of oil pipes at #40-69. 214/S-109.
16. Arrangement of lower part of Bulkhead Wels 2400 mm. fr. E. 214/S-110.

The following approved plans will be forwarded you together with the first entry report on M/T 345:— (Please see special sheet attached)

PARTICULARS OF ELECTRIC WELDING (if employed) seams and butts of shell, deck, stringer, tanktop and bulkhead plating are butt welded. Angle of vee about 50°. All remaining connections as per approved plans.

Electrodes:— OK 47, OK 50, OK 52, OK Rapid, 22, 25, 212, Seamers.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book

Longitudinal framing. Electrically welded.  
Cruiser stern. Mch. aft. Carrying Petroleum in bulk. D.F., E.S.D., G.C.

RADAR Equipment (State if fitted) No.

State Type or Pattern No. ✓

State } Maker ✓  
Name } and/or ✓  
of } Supplier ✓

Particulars of Drop Test of Cast Steel Anchors, viz.:—  
Weight, Surveyor's Initials, Number of Certificate, Date of Test.

1st Bower	Shad. - 50 cmts. 1 grs. 0 lbs.	JHT. 10270	22.10.48.
2nd "	" : - 49 " 1 " 16 "	REG. 9613	13.6.47.
3rd "	" : - 48 " 2 " 8 "	REG. 8940	29.10.46.
Stream anchor:	26 " 0 " 18 "	JHJ. 9447	3.12.47.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 95 ft., R.Q.D. ✓ ft., Bridge 39 ft., Forecastle 67 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated. ✓

Official No. 9084 Signal Letters SDJA Extreme Breadth over Belting (Circ. 1611) ✓ Over-all Length 533.3 (Circ. 1703)

No. and Material of Decks 1 dk. 2nd dk. char of cargo tanks.

Parts of Bottom of Vessel coated with cement or approved composition. Cement in peaks & fresh water tanks above A.P.T. also at well at aft end of E.R.

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,			Fore peak tank,		172
Double bottom, under Engines and Boilers,			After peak tank,		170
Double bottom, if under Engines only,	75	157	Deep tank, aft, Cross bunkers	9	484
Double bottom, if under Boilers only,			Deep tank, forward,	34	604
Double bottom, forward,			Other tanks, if fitted, F.W. above A.P.T.		133
Total length (if continuous) and Capacity.	75	157	(If necessary furnish further information by sketch.)		
Ordon engine: Lubr. oil tanks	28 m <sup>3</sup> .				

Order for Special Survey No. 148

Date 18<sup>th</sup> Sept. 1946

Dates of Surveys held while building

From 26<sup>th</sup> October, 1948 to 22<sup>nd</sup> June, 1949.

Total No. of Visits 94