

## STEEL STEAMER or MOTORSHIP.

Received at London Office 25 AUG 1945

State if Report has been sent on the Freeboard of the Vessel *yes*State if Report is sent on the Machinery of the Vessel *yes*Date of completion of report 24<sup>th</sup> July 1945Port of *Copenhagen*

No. 11756

Survey held at *Odense*Date First Survey 29<sup>th</sup> April 1940Last Survey 8<sup>th</sup> July 1945

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw)

*Single Screw Motor Tanker "Katrine Maersk" (Machinery fitted aft)*

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings)

*Long framing centertanks, transverse fr. side tanks* State Type of Erections

TONNAGE under Tonnage Deck... 9230.39

CLASS *100 A1* State if with freeboard as condition of Class *no*Built at *Odense*

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

Length from fore part of stem to after part of stern most on summer L.W.L. See Sec. 3 (1a) *L 496-0*

Launched 27.8.1941. Yard No. 88

Total

Breadth (greatest moulded) *B 65-9*Builders *Odense Staalskibsværft A/S.*

Gross Tonnage 10043.07

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 35-11*Owners *A/S Dampskibsselskabet Srenborg*

Register Tonnage 6096.87

1st Longitudinal Number (L x D) = 17816

Managers *A.P. Möller*

(Where necessary to be entered in Reg. Book.)

2nd Numeral L x (B + D) = 50428

Residence *Copenhagen*

## REGISTERED DIMENSIONS.

FEET.

Length 502.05

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

Proportions—Depth to Length—Uppermost continuous deck to top of keel *13.81*Port of Registry *Fredericia*

Breadth 65.9

Do. Long Bridge to top of keel

If surveyed while building, afloat, *and* in dry dock

Depth 33.8

Draught Moulded *28-5**yes*

## FRAMES, DOUBLE BOTTOM AND BEAMS.

	IN SHIP.	Any Departure from Approved Plans to be Noted.		IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	752	✓	Bracket Floors, Frame	✓	✓
" " forward frame 180 from 3/4 length amidships to Collision bulkhead	685	✓	" " Reversed Frame	✓	✓
" " in peaks	610	✓	" " Vertical Struts	✓	✓
" " in machinery space	240	✓	" " in Motor room aft	✓	✓
SIDE FRAMING. " pumproom amidships	800	✓	Centre Girder, depth and thickness amidships	1220-14	✓
Frame Amidships, Angle, E or [	230 90 11.5	✓	" " top Angles	90 90 12.5	✓
" " in No. 1 Tank	280 90 12	✓	" " bottom Angles	130 130 13.5	✓
" " Extends up to	Upperdeck	✓	" " one	11 7	✓
Reversed Frame Amidships, Angle	✓	✓	Side Girders, No. each side and thickness	one	✓
" " Extends up to	✓	✓	Girders under engine 19 and 12.5	✓	✓
Depth of Framing Girder	230	✓	Margin Plate depth (excl. of flange) and thickness	14	✓
Frames in Uppermost Continuous Deck, Angle, E or [	180 90 9	✓	" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	180 180 14	✓
" " Second tween Decks, Angle, [ or [	✓	✓	" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area	✓	✓
" " Third " " "	✓	✓	" " Gussets, spacing and scantling abaft 1/4 len. from stem	✓	✓
" " from 162 len. for'd. to 15% len. from Stem	280 90 12	✓	" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	✓	✓
" " in Peaks, Angle or [	230 90 11	✓	Tank Side Brackets, height above base line at toe of Frame and thickness	975-12 brackets	✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	22 7/8 x 132 7/8	✓	INNER BOTTOM PLATING. in No. 1 Space	2000-14	✓
State if Frame Joggled	yes	✓	Breadth and thickness of Middle Line Strake	1400-14	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and as approved?	yes	✓	Thickness of remainder in Holds	14	✓
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and as approved?	yes	✓	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	✓
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	✓	✓	Uppermost Continuous Deck, amidships in way of side tanks	230 90 11	✓
Height of Brackets at side above base line at toe of frame	✓	✓	" " in way of Bridge, Angle, [ or [	✓	✓
Middle Line Keelson, on Floors, Angles, [ or [	✓	✓	" " Spacing pump room	252 900	✓
" " Through Plate or Intercoastal Plate	1475-11	✓	Second Deck, amidships, Angle, E or [	200 25 9	✓
" " Top angles Foundation Plate on Floors	150 75 11	✓	" " Spacing	230 90 12.5	✓
" " Flat Plate Keel Angles	100 100 15	✓	Third Deck, amidships, Angle, [ or [	250 240	✓
Side Keelsons, No. each side	✓	✓	" " Spacing	see letter 24.1.46	✓
" " thickness of Intercoastal Plate	✓	✓	Fourth Deck, amidships, Angle, [ or [	✓	✓
" " Angles	✓	✓	" " Spacing	✓	✓
DOUBLE BOTTOM. in No. 1 Space			Poop Deck, Angle, E or [	230 90 12.5	✓
Solid Floors, thickness and spacing	240-11	✓	" " Spacing	230 90 11	✓
" " Are Frame and Reversed Frame joggled?	yes	✓	" " Spacing	240	✓
Bracket Floors, breadth and thickness at middle line	✓	✓	Bridge Deck, Angle, E or [	1000 framing	✓
" " breadth and thickness at margin plate	✓	✓	" " Spacing	150 75 8	✓
			Forecastle Deck, Angle, E or [	815	✓
			" " Spacing	200 25 12	✓
				200 25 10.5	✓
				685-11 610	✓



## PILLARS AND DECKS.

		PLANES IN SHIP.		Any Departure from Approved Plans to be Noted.			PLANES IN SHIP.		Any Departure from Approved Plans to be Noted.
<b>PILLARS</b> , No. of Rows.....		✓		✓				✓	
„ in 'tween Decks, Size and Spacing.....		✓		✓				✓	
„ „ „ „ „		✓		✓				✓	
„ in Holds „ „		✓		✓				✓	
<b>2 Longitudinal „ „ „</b>		✓		✓				✓	
<b>Centre Line Bulkheads!</b>	C 250 90 11								
Stiffeners and Spacing.....	250 90 12			N <sup>o</sup> 1 Tank					
Plating, thickness of .....	250 90 12.5			N <sup>o</sup> 2 Tank and Pump room					
	13 to 11								
	forward 13.5 to 11								
<b>STRINGERS AND DECKS.</b>									
<b>Uppermost Continuous Deck.</b>									
Stringer Plate, breadth and thickness in Wells	1880 + 21.5			✓					
„ „ „ in way of Bridge	- 28			✓					
„ „ „ 2nd poop end									
„ Angle in Wells .....	180 180 19			✓					
Thickness of Plating abreast Deck openings) in way of Wells .....	22			✓					
Thickness of Plating abreast Deck openings) in way of Bridge .....	✓			✓					
Thickness of Plating within line of openings...	14.5	✓		✓					
If Sheathed, material and thickness .....	✓			✓					
<b>Second Deck. aft</b>									
Stringer Plate, breadth and thickness in Wells...	10			✓					
	8.5 aft								
Stringer Plate, breadth and thickness in way of Bridge .....									
Thickness of Plating abreast Deck openings) in way of Wells .....									
Thickness of Plating abreast Deck openings) in way of Bridge .....									
Thickness of Plating within line of openings...									
If Sheathed, material and thickness .....									
<b>Third Deck.</b>									
Stringer Plate, breadth and thickness.....									
If Plated, state thickness.....									
<b>Fourth Deck.</b>									
Stringer Plate, breadth and thickness.....									
If Plated, state thickness .....									
<b>Poop Deck.</b>									
Stringer Plate, breadth and thickness .....	1000 + 9.5								
Plating, Sheathing, material and thickness ...	6.5, 6.5								
<b>Bridge Deck.</b>									
Stringer Plate, breadth and thickness.....	2300 + 10								
Plating, Sheathing, material and thickness ...	8								
<b>Forecastle Deck.</b>									
Stringer Plate, breadth and thickness.....	950 + 9.5								
Plating, Sheathing, material and thickness ...	9								
	10 under windlass								

## SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?	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.	
FLAT PLATE KEEL .....	1400	27	22	21		Double	25	90	3	28	115	double strapp	
„ DBLG. (if any)	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
AB -	2390	19	13.5	14									
BOTTOM PLATING, No. of Strakes A.B.C.D	2020	19.5	C=18 D=15.5	C=16.5 D=18	Strake A.B.C from 1/2 L. to C.B	"	25	"	5	25	115	lapped	
BIDGE PLATING, No. of Strakes E.....	1900	19.5	16.5	19.5	19.5 in way of Long. framing.	"	"	"	Butts within 1/2 L electrically welded Rules of electric welding complied with.				
SIDE PLATING, No. of Strakes F.G.H.I.	2000												
SIDE PLATING, No. of Strakes F.G.H.I.	2380	18.	12.5	12.5	20.5 in way of transverse framing.	"	22	80					
UPPER DECK, Sheer- strake in Wells. K..	1550	27	12.5	12.5									
UPPER DECK, Sheer- strake in Bridge ...	1550	31			Shell in way of sternframe 18 in								
STRAKE BELOW Sheer- strake in Wells.....		18	17.5	17.5									
STRAKE BELOW Sheer- strake in Bridge ...		18											
POOP SIDE PLATING .....			12.5	10.5		Single	19	25	Single	19	65	lapped	
BRIDGE SIDE PLATING ...	11					"	22	90	"	"	"	"	
FORE'C'TLE SIDE PLATING			11			"	19	25	"	"	"	"	

## WATERTIGHT BULKHEADS.




Total No. of W.T. BULKHEADS in Vessel—

Extending to Upper Deck (Sec. 3 c) 13

„ Deck next below

As per Rule 8

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar .....				
STEM .....	Soft nose.	plating 21. - 18.5 - 15.5.		
STERN FRAME	{ Propeller Post ..... { Rudder .....	 Casting - 550 Forging - 280	 Vithkovice Tinas Steel Iron Works	
Speed of Vessel.....		13 1/4 knots		
RUDDER—Type.....		Simple Balance Rudder		
„ A 		192.5 sq. ft.		
„ Diam. of head .....	forg.	295	Vithkovice	
„ Mainpiece at top pintle				
„ „ heel ...				
„ how constructed .....		801 mm x 100 mm		
„ double or single plate		double 15 mm plates		
„ coupling, vertical or		horizontal.		
„ horizontal.....				

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
<i>transverse</i> MIDSHIP BULKHEAD, Upper tween decks						
"	"	Hold	13.5, 11.5, 10.5	5 250 x 90 x 13.5	center tanks	815 sp.
"	"	Second	" 9.5, 10, 5	5 250 x 90 x 13	side tanks	855
"	"	Third	"			
"	"	Fr. 161	{ 13.5, 11.5, 10.5	5 280 x 90 x 12.5	center tanks	815 sp.
"	"	Holds	... 9.5, 9, 5	5 280 x 90 x 12	side tanks	855 sp.
COLLISION		" (in Hold)	... 12 to 6.5	5 280 x 90 x 12	610 sp.	2 stringers
AFTER PEAK		"	... 12 to 7.5	5 250 x 90 x 13		
		"	...	5 150 x 75 x 8	610 sp.	

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *open hearth* ✓  
*Colvilles Ltd. Appleby-Frodingham Steel Co. Ltd. Dorman, Long & Co. Ltd. South Durham Steel Co.*  
*West Hartlepool Steel & Iron Works, Blochain Steelworks, Glasgow.*  
Has the Steel been tested as required by the Rules? *yes.*



Departure from  
Approved Plans to  
be Noted.

pt. 1\*.

M.V. "Katrine Maersk"  
PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.	AMIDSHIPS.			ENDS.			Any Departure from Approved Plans to be Noted.	RIVETING.					
	In Ship.			In Ship.				Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads. Inches.	Rivets in Brackets to Bulkheads.		
	Inch.	Inch.	Inch.	Inch.	Inch.	Inch.		Diam. Inch.	Speng. Inch.		Number.	Diameter. Inches.	
[ or [													
Large 'tween Decks ...													
Uppermost Continuous No. 1													
" 2													
" 3													
" 4													
" 5													
" 6													
" 7													
" 8													
" 9													
" 10													
" 11													
" 12													
" 13													
" 14													
Long frames, centre tanks													
" 15													
" 16													
Amidships													
At Ends													
Tank Top Longitudinals													
Bottom													
Amidships													
At Ends...													
Transverses.													
Depth and Thickness													
Face Angles													
Lugs to Shell*													
Depth and Thickness													
Face Angles													
Lugs to Shell*													
Depth and Thickness													
Face Angles													
Lugs to Shell*													
Back Bars													
Brackets													
Transverse Frames													
State if joggled or liners.													
Bridge Deck													
Upper													
Second													
Third													

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, etc., 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, etc., on the first page.

003092-003099-0125 3/3

Lloyd's Register  
Foundation



EQUIPMENT No 51939 <sup>1</sup>										LETTER ft <sup>1</sup>	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.						
3486	1st Bower ...	93	2	2	✓	✓		65	0	0	0	90 ✓	Gruson	Otto Gruson	Magdeburg		
3487	2nd „ ...	93	1	1	✓	✓		65	0	0	0	90 ✓	Stackless	Magdeburg-	3.7. 40		
3488	3rd „ ...	83	0	9	✓	✓		60	10	0	0	77.5		Buckau	N.A. Stoltz		
	Collective weight.	269	3	12	✓	✓						257.5 ✓					
3489	Stream .....	27	0	23	✓	✓	6	1	23	26	11	1	0	26.5 ✓	ordinary stock	"	"
															HANGERS AND WARPS		

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.	
	Length.	Diam.	Statutory.	Breaking.	Supplied.		Per Rule.		Length.	Diam.					Length.	Ins.		Length.	Ins.
B.V. 17354	300	2 5/8	12370	173200	56260	1040	300	2 1/2	stud link	J.D. Theile Schwerte Ruhr	Schwerte 31.10.1941 R. Rossberg B.V. Surveyor.	TOWLINE... 2 off HAWSERS & WARPS 2 off	130	5 1/2	87.7	130	5 1/2		
Copy of certificate attached.																			
Iron Stream Chain or Steel Wire	120	5	747				120	5	6 1/2 x 5	westfälische Union Stedlun, Lippstadt	21.5.40								

Steering Gear, Type (Power or hand) *Steam. Deutsche Wefft. Kiel.* Alternative Means of Steering *Emergency hand.*

Steering Chains (Size and Test) *Windlass Steam. Deutsche Wefft. Kiel. Boats 2 Lifeboats 26 1/2 x 3 1/2 1 off 18 1/2 x 6 1/2 x 2 1/2 1 dingy 16 1/2 x 5 1/2 x 2 1/2*

Ceiling in Holds, thickness and material *830 x 11" steel (hold fwd)*

Cargo Hatchways. (Upper Deck) *815 x 11" steel (oil hatches)* Thickness of Hatches *16 1/2" steel covers [12.5 steel hatch fwd]*

Size of Hatchways No. 1 (Fwd) *1540 x 720* No. 2 *1575 x 775* No. 3 *3425 x 3050* No. 5 *3425 x 3050* No. 6

Number of Shifting Beams and/or Fore and Afters *on plan.*

Builder's Signature *Odense Staalskibsværft*

GENERAL 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

(b) 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).

*This vessel has been built in accordance with the approved plans, the Secretary's letters and as required by the Society's Rules. The workmanship is good and to my satisfaction.*

*The vessel is intended to carry petroleum in bulk, all the cargo oil tanks, fuel oil tanks, lubricating oil tanks, copper-dams, peak- and fresh water tanks have been tested as required by the Rules and found good and tight. The decks clear of oil tanks have been hose tested and found tight. Steering gear and windlass have been tested with satisfactory results. The freeboard marked on vessels sides, verified and cut in.*

*Please see also Gen. Rpt. No. 11746*

The amount of Entry Fee ..... *Mr. 220.00* Fees applied for, *31/7 1946*

*Freeboard " 450.00*

Special Survey Fee.... *21 15132.50* Received by me, *19*

*Travelling Expenses, if any £ 1136.12*

*L.F. 60.00*

I am of opinion the Vessel should be Classed *100 A1 carrying petroleum in bulk*

State whether the Vessel has been built under Special Survey *yes* Signature *W.H. Jurel*

Certificate to be sent to *Gen. office* Date of issue *15/3/46*

Surveyor to Lloyd's Register of Shipping.

Committee's Minute

Character assigned *+100A1 Carry? Pet in Bulk 7.45 got machy aft. +LMC 7.45 subject oil ing. Ch. 2 off 1800b*

*Launched 1941*

*Commissioned 1945*

*Lloyd's Register Foundation*



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.)

The Owners' super! stated that the vessel was to be placed in dry dock at Gothenburg before being put into commission.

pt. 8.

REP

Date of writing

No. in Reg. Book.

TONNAGE

GROSS

UNDER DEK.

NET

Surveyed

Cell/Dor/L

total capa

N.B.—All

Last Re

(Periodical Sur complete the extent of Exa should be sex summarised should be ele respecting th

In damage ca offered his

REPAIRS, O

Starboa

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cropp

in pla

in pt

joined

ny pla

in fr

5 aft

SUMMARY OF

Renewed

Removed

Faired or

PRESENT CONDI

Decks

Caulking of Deck

Beams & Fasten

Outside Plating

" " in

Frames

Reverse Frames

Longitudinals

Transverses

Floors

Keelsons

Stringers

Inner Bottom Pl

Have the Tanks

Have the Tanks

Genera

S

this su

survey,

PARTICULARS OF ELECTRIC WELDING (if employed) Butts of side shell strakes E.F.G.H.I welded for about 1/2 L. Siderstringers in Nos. 3, 4, 5, 7 Tanks welded to shell plating. Butts in upper deck centre strake welded from frame 49 to fr. 175.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book Longitudinal framing in centre tanks, transverse framing in side tanks. Carrying petroleum in bulk. Machinery fitted aft. Cruiser stern. D.F. E.S.D.

Particulars of <b>Drop Test</b> of Cast Steel Anchors, viz. :— Weight, Surveyor's Initials, Number of Certificate, Date of Test.		Head	61:1:20	Cast	12 feet	N:2505	18.6.1940 Mardibout N.A. Stolte.
	1st Bower	Shank	26:0:1	"	"	2509	
		Head	61:2:14	"	"	2506	
	2nd "	Shank	25:3:11	"	"	2510	
		Head	53:0:18	"	"	2507	
	3rd "	Shank	24:1:12	"	"	2511	

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 102' 1/2 ft., R.Q.D. ft., Bridge 34' 6 1/2 ft., Forecastle 40' 8 1/2 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated.  
Official No. Signal Letters O.W.K.G. Extreme Breadth over Belting 522.5' (Circ. 1611)  
No. and Material of Decks 1 deck, steel 2nd dk steel aft  
Parts of Bottom of Vessel coated with cement or approved composition Feed water tank aft coated with cement.  
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,	26.17	167.2
Double bottom, under Engines and Boilers,			After peak tank,	20.07	137.6
Double bottom, if under Engines only,	89.82	443.1	Deep tank, aft, wing tanks	19.42	476.0
Double bottom, if under Boilers only,			Deep tank, forward,	31.46	472.2
Double bottom, forward,			Other tanks, if fitted, fuel oil fr. 11-15, boiler oil " 11-15	9.71	91.8
Total length (if continuous) and Capacity	89.82	443.1	(If necessary, furnish further particulars for 5-10.	9.71	95.2
				10.00	81.2

Order for Special Survey No. 152

Date 23.6.1939.

Dates of Surveys held while building

1940 April: 29 June: 4.18. July: 24. Aug: 1.23. Sept: 20. Oct: 14. Nov: 15.25.26.  
Dec: 21. 1941: Jan: 11.28. Febr: 17. March: 2.21. April: 22. May: 8.  
June: 13.17.20.24.27. July: 1.4.8.11. Aug: 7.18. Sept: 15.24.30. Oct: 8.26.  
Nov: 8.19. Dec: 3.15.29. 1944 Jan: 17.24. Febr: 22. March: 24 1945 July: 3.  
4.8.

Total No. of Visits 47