

STEEL STEAMER or MOTORSHIP.

25 AUG 1945

Received at London Office

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

7th August 1945

Port of

Copenhagen

No.

11757

Survey held at

Odense

Date First Survey

29th Dec. 1938

Last Survey

5th July

1945

On the

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

steel single screw motor tanker

"CAROLINE MÆRSK" (Machinery)

State Type

(Full scantling, Complete Superstructure with or without Tonnage Openings)

Full scantling

State Type of Erection

P, B & F'cl

TONNAGE under Tonnage Deck

9230.39

CLASS + 100 A 1

State if with freeboard

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 post on summer L.W.L. See Sec. 3 (1a)

L 496'-0"

Launched

6-5-40

Yard No. 83

Total

9230.39

Breadth (greatest moulded)

B 65'-9"

Builders

Messrs. Odense Staalskibsværft

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 D/S Svendborg and D/S af 1912 A/S

Register Tonnage

6096.87

1st Longitudinal Number (L x D) = 17816

Managers

H. P. Möller

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

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

Residence

Copenhagen

REGISTERED DIMENSIONS.

Length

153.16

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

13.81

Port of Registry

Fredericia

Breadth

20.09

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

13.81

If surveyed while building, afloat, or in dry dock

Depth

10.29

Do. Long Bridge to top of keel

✓

Draught Moulded

28'-5"

while building

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 (in side tanks)	752 ✓		Bracket Floors, Frame	✓	
" " from 1/2 length amidships to Collision bulkhead.....	685 ✓		" " Reversed Frame	✓	
" " in peaks.....	610 ✓		" " Vertical Struts	✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	1220 14	
Frame Amidships, Angle, [or]	230 90 11.5		" " top Angles	90 90 12.5	
" " in No. 1 tanks	280 90 12		" " bottom Angles	130 130 13.5	
" " Extends up to			Side Girders, No. each side and thickness	3 (motor settings)	
Reversed Frame Amidships, Angle			Margin Plate depth (excl. of flange) and thickness	14	
" " Extends up to			" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem		tank top
Depth of Framing Girder			" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area		carried horizontally out to shell
Frames in Uppermost Continuous 'tween' Decks, Angle, [or]			" " Gussets, spacing and scantling abaft 1/2 len. from stem		
" " Second 'tween' Decks, Angle, [or]			" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area		
" " Third			Tank Side Brackets, height above base line at toe of Frame and thickness	975 x 12	
" " in forward deep tank	320 100 14.5		INNER BOTTOM PLATING.		
" " from 1/2 len. from stem to 1/2 len. from stem	230 90 11		Breadth and thickness of Middle Line Strake	1400 x 14	app. 13.5
" " in Peaks, Angle, [or]	22 132		Thickness of remainder in Hold	14	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships			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 2	yes	
State if Frame Joggled	yes		BEAMS.		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	yes		Uppermost Continuous Deck, amidships	230 90 11	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	yes		" " in Wells, Angle, [or]	✓	
SINGLE BOTTOM.			" " in way of Bridge, Angle, [or]	✓	
Floors, Depth and thickness at mid-line in Holds	✓		Spacing	very frame	
Height of Brackets at side above base line at toe of frame	✓		Second Deck, amidships, Angle, [or]	250 230 90 12.5	see letter 5.3.46
Middle Line Keelson, on Floors, Angles, [or]	✓		Spacing	200 75 9	
" " Through Plate or Intercoastal Plate	1475 11		Third Deck, amidships, Angle, [or]		
" " Top angles	150 75 11.5	double	Spacing		
" " Foundation Plate on Floors	100 100 15	-4-	Fourth Deck, amidships, Angle, [or]		
" " Flat Plate Keel Angles	✓		Spacing		
Side Keelsons, No. each side	✓		Fourth Deck, amidships, Angle, [or]		
" " thickness of Intercoastal Plate	✓		Spacing		
" " Angles	✓		Poop Deck, Angle, [or]	230 90 12.5 11	
DOUBLE BOTTOM. aft			Spacing	very frame	
Solid Floors, thickness and spacing	11 every frame		Bridge Deck, Angle, [or]		
" " Are Frame and Reversed Frame joggled?	yes		Spacing		
Bracket Floors, breadth and thickness at middle line	✓		Forecastle Deck, Angle, [or]	200 75 12-10.5	
" " breadth and thickness at margin plate	✓		Spacing	every frame	

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.....			Stringer Plate, breadth and thickness in way of Bridge		
„ in 'tween Decks, Size and Spacing.....			Thickness of Plating abreast Deck openings in way of Wells		
„ „ „ „ „			Thickness of Plating abreast Deck openings in way of Bridge		
„ in Holds „ „			Thickness of Plating within line of openings.....	10 - 8.5	
„ „ „ „ „			If Sheathed, material and thickness	✓	
Centre Line Bulkhead.			Third Deck.		
Stiffeners and Spacing.....			Stringer Plate, breadth and thickness.....		
Plating, thickness of			If Plated, state thickness.....		
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....		
Stringer Plate, breadth and thickness in Wells	1920 21.5 - 13	app. 1880	If Plated, state thickness		
„ in way of Bridge	1920 28	- - -	Poop Deck.		
ends and poop head	180 180 19		Stringer Plate, breadth and thickness	990 9.5	
„ Angle in Wells			Plating, Sheathing, material and thickness	7.5 - 6.5 (65Z pine)	
Thickness of Plating abreast Deck openings in way of Wells	22 12		Bridge Deck.		
Thickness of Plating abreast Deck openings in way of Bridge	22	No sheathing on plan	Stringer Plate, breadth and thickness.....	2300 10	
Thickness of Plating within line of openings...	14.5 10	See plan	Plating, Sheathing, material and thickness	8 no sheathing	
If Sheathed, material and thickness	✓		Forecastle Deck.		
Second Deck.			Stringer Plate, breadth and thickness.....	915 9.5	
Stringer Plate, breadth and thickness in Wells...	10 - 8.5	✓	Plating, Sheathing, material and thickness	10 - 9 no sheathing	

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged?			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth. <small>inches.</small>	Thickness. <small>inches.</small>	Thickness. <small>inches.</small>	Thickness. <small>inches.</small>			Diam. <small>inches.</small>	Spacing or to cr. <small>inches.</small>		Diam. <small>inches.</small>	Spacing or to cr. <small>inches.</small>	
	2	2	2	2			2	2		2	2	
FLAT PLATE KEEL	1400	27 [^]	21 [^]	21 [^]		Double	25 [^]	90 [^]	3 [^]	28 [^]	115 [^]	double shapped
„ DBLG. (if any)		—				—			—			
BOTTOM PLATING, No. of Strakes ... 4	A+B C+D	19 [^]	13.5 [^]	14 [^]		Double	25 [^]	90 [^]	5 [^]	25 [^]	115 [^]	lapped
BILGE PLATING, No. of Strakes ... 1		19.5 [^]	16.5 [^]			—	25 [^]	90 [^]	5 [^]	25 [^]	115 [^]	—
SIDE PLATING, No. of Strakes ... 3		18 [^]	12.5 [^]	12.5 [^]		—	22 [^]	80 [^]	4 [^]	22 [^]	90 [^]	—
UPPER DECK, Sheer-strake in Wells.....	1550	27 [^]	12.5 [^]	—		—	25 [^]	90 [^]	5 [^]	28 [^]	125 [^]	—
UPPER DECK, Sheer-strake # Bridge ... <small>under poop rail</small>	1550	31 [^]	—	—		—	25 [^]	90 [^]	5 [^]	28 [^]	125 [^]	—
STRAKE BELOW Sheer-strake in Wells.....		18 [^]	12.5 [^]	12.5 [^]		—	22 [^]	80 [^]	4 [^]	22 [^]	90 [^]	—
STRAKE BELOW Sheer-strake in Bridge ...		18 [^]				—	22 [^]	80 [^]	4 [^]	22 [^]	90 [^]	—
POOP SIDE PLATING		—	—	10.5 [^]		single	19 [^]	75 [^]	1 [^]	19 [^]	65 [^]	—
BRIDGE SIDE PLATING ...		11 [^]	—	—		—	22 [^]	90 [^]	1 [^]	19 [^]	65 [^]	—
FORECASTLE SIDE PLATING		—	11 [^]	—		—	19 [^]	75 [^]	1 [^]	19 [^]	65 [^]	—

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	
Extending to Upper Deck (Sec. 3 c)	13
„ Deck next below	✓
As per Rule	✓

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	✓			
STEM				plating 21-15 1/2 (soft nose)
STERN FRAME { Propeller Post	Casting	shaped	mem. Vickers	
{ Rudder „	Forging	280 D.	mines steel & Dunn cap.	
Speed of Vessel.....				13 1/4 knots
RUDDER—Type.....				
„ A x D				
„ Diam. of head				295 D.
„ Mainpiece at top pintle				
„ „ heel ...				simplex
„ how constructed				balance
„ double or single plate				rudder
„ coupling, vertical or horizontal				horizontal

STIFFENERS.					
	Plating Thickness.	VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD in cargo tanks	13.5-9	250.90.13 1/2	5	815 1/2	in centre tanks
„ „ Second „					
„ „ Third „					
„ „ Holds					
COLLISION „ (in Hold)	12-6 1/2	250.90.12 1/2	610	2 steps	
AFTER PEAK „	12-7 1/2	250.90.13 1/2	610		

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)	open hearth
	Plate: - Gutehoffnungshütte, Oberhausen	
	Profile: - „ „ „ „ „	
	Has the Steel been tested as required by the Rules?	yes

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.		Rivets in Brackets to Bulkheads.
		In.	In.	In.	In.	In.	In.	Diam.	Spacing.	Inches.	Number.	Diameter.	Inches.
Framing of \perp , L or C		180	75	106	✓								
Frames in Bridge between Decks ..													
Bottom Frames from Uppermost Continuous Deck centre girders No. 1													
	" 2	17x4x4x .60 ¹ / ₁₆											
	" 3	Back bars fitted for full length of no. 1 tank.											
	" 4												
	" 5												
	" 6												
	" 7												
	" 8												
	" 9												
	" 10												
	" 11												
	" 12												
	" 13												
	" 14												
	" 15												
	" 16												
Spacing of Longitudinal Frames		Amidships			At Ends								
Double Bottoms L, C or C		Tank Top Longitudinals			Bottom ..								
Spacing of Longitudinals		Amidships			At Ends...								
Transverses.													
Side (in 'tween Decks)	Depth and Thickness	✓											
	Face Angles												
	Lugs to Shell*												
Side (in Hold)	Depth and Thickness	✓											
	Face Angles												
	Lugs to Shell*												
Bottom	Depth and Thickness	1400		12.5									
	Face Angles	230	90	12.5	double								
	Lugs to Shell*	150	150	12	single	joggled.							
	" " Back Bars ...	90	90	12 1/2									
	Brackets			11	(8.130)								
Spacing of Transverse Frames		3760 - 3008 - 3008 - 3760			Z								
State if joggled or liners.													
Longitudinal Beams of \perp , L or E	Bridge Deck ...	150	75	8									
	Upper "	230	90	11	230	90	11						
	Second "												
	Third "												
Spacing.		815			Z								
Transverse Beams.													
Plate.		250x8.5			150x7.5x12x								
Face Angles.		800x10 1/2			150x7.5x13 1/2								
Any Departure from Approved Plans to be Noted.													

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.

EQUIPMENT No 51939 ¹										LETTER f-i ¹	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.	
3371	1st Bower ...	Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	"Gusson"	Otto Gusson & Co Magdeburg-Buchan	Magdeburg - Buchan 1.8.39 Stolte.	
3370	2nd „ ...	91	2	14	“			64	0	0	0	90				
3372	3rd „ ...	90	1	2	“			63	12	2	0	90				
	Collective weight.	82	2	10	“			60	0	0	0	77½	Stockless			
		264	1	26	“							257½				
3373	Stream	27	1	0	“	6	1	23	26	11	2	0	26 26½	stock anchor	Buchan	

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.	Cir.		Length.	Cir.
	Fathoms.	Ins.	Tons.	Tons.	Cwts.	qrs.	lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
89751	300	2 5/16	134.8	188.7	855	0	0	1040	300	2 5/8	steel link "Taylor"	Taylor & Sons Brinkley Hill Ltd.	Netherland 10/5/39 J.A. Relf.	TOWLINE...	130	5 1/2	84.4	130	5 1/2
														HAWSERS & WARPS	2x100	2 3/4	?	2x100	2 3/4
														"	2x100	8"	Manila	2x100	8"
Iron Stream Chain or Steel Wire	120	5		74.7	with 1/2" Union P/S Hippstadt				120	5	6x24		21/5/40 at work.						

Steering Gear, Type (Power or hand)	Ths. B. Thurg (electr)	Alternative Means of Steering	hand steering gear
Steering Chains (Size and Test)	Telemta	Windlass	Ths. B. Thurg (electr) Boats 1 @ 18'-0" x 6'-3" x 2'-5"
Ceiling in Holds, thickness and material		Cargo Battens, thickness, material and spacing	
Cargo Hatchways.-(Upper Deck)	15 1/2 x 9 1/2 x 8 1/2 high (O.T.) with 11 1/2 coaming & 16 1/2 covers.	Thickness of Hatches	
Size of Hatchways	No. 1 (Fwd.)	No. 2	No. 3
Number of Shifting Beams and/or Fore and Afters			

Builder's Signature
Odense Staatskibsværft A/S

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 Society's Rules, the Secretary's letters and to my satisfaction.

The material and workmanship employed during the construction of the vessel are of good quality.

all cargo tanks, cofferdams, deep tanks, DB tanks and peak tanks, weather decks, gullerways, W.T. hold, scuppers and air- and sounding pipes water tested according to Rules.

Windlass and steering arrangements tried and found satisfactory.

Freeboard marks cut in the vessels sides and verified by the Danish Authorities, copy of verification forwarded separate.

he amount of Entry FeeK.£	: 270.-	Fees applied for,	(Special notations, where part of class, to be stated.)
Freeboard	450 -	1/8. 1945	
Special Survey Fee...K.£	15.132.-	Received by me,	
Late fees"	90 -		
Travelling Expenses, if any	: 1.931.24	19	

I am of opinion the Vessel should be Classed + 100 A 1

Carrying petroleum in bulk.

Signature S. Sanderson

Surveyor to Lloyd's Register of Shipping.

ate whether the Vessel has been built under Special Survey

ertificate to be sent to Surveyor of P. & O. Date of issue 21/6/46.

Committee's Minute

Character assigned

FRI. 1 MAR 1946

+100 A 1 7.45 Gt.

Carrying Petroleum in bulk

launched 1940

Commissioned 1945 - 7mo

+ LMC 7.45 subject

Oil Eng. CL

2 DB 180/16

002536-002542-0204 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.)

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

Sister ship - "Katoine Maersk" (Gen Rpt N° 11756)

PARTICULARS OF ELECTRIC WELDING (if employed)

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

Cruise stern
hang! panning in centre tanks, transverse panning in side tanks
Notation of D.F. and E.S.D.

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

1st Bower	25.3.20	shank	12.7.29	60.0.5	stake	head
2nd	26.0.7	✓	—	58.3.2	—	12.7.39
3rd	23.0.5	✓	—	51.2.14	—	—

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 102'-0 1/2" ft., R.Q.D. ✓ ft., Bridge 34'-6 1/2" ft., Forecastle 40'-8" 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 D Extreme Breadth over Belting (Circ. 1611) ✓

No. and Material of Decks 1st dk (slt.) 2nd dk (slt.) aft. Over-all Length (Circ. 1703) 522.5'

Parts of Bottom of Vessel coated with cement or approved composition ✓

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,	89.82 ✓	443 ✓	Fore peak tank,	26.2 ✓	167 ✓
Double bottom, under Engines and Boilers,			After peak tank,	20.0 ✓	138 ✓
Double bottom, if under Engines only,			Deep tank, aft, (wing tanks)	19.4 ✓	476 ✓
Double bottom, if under Boilers only,			Deep tank, forward,	31.5 ✓	472 ✓
Double bottom, forward,			Other tanks, if fitted,		
Total length (if continuous) and Capacity	89.82 ✓	443 ✓	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 146

Date 27/12/38

Dates of Surveys held while building

1938. 29/12
1939. 4/1 10/1 9/6 12/10 20/10 20/10 34/10 10/11 18/11 21/11 24/11 7/12 13/12 20/12 22/12 29/12
1940. 5/1 19/1 24/1 3/1 10/2 16/2 4/3 4/3 8/3 12/3 13/3 15/3 20/3 29/3 4/4 5/4 9/4 10/4 12/4 13/4 16/4
1945. 29/4 4/5 6/5 29/5 4/6 19/6 23/8 14/10 4/11
5/7