

STEEL ~~STEAMER~~ OF MOTORSHIP.

Received at London Office 13 FEB 1930

State if Report has been sent on the Freeboard of the Vessel yesState if Report is sent on the Machinery of the Vessel yes

Date of completion of report

24th January 1930

Port of Copenhagen

No. 8167.

Survey held at Odense

Date First Survey

6th February 1929

Last Survey

17th January 1930

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

Twin Screw Motor Vessel "LAURITS SWENSON"

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

Complete Superstructure with tonnage opening State Type of Erections Poop and F'dle

TONNAGE under Tonnage Deck... 5202.07

CLASS 100 R 1

State if with freeboard as condition of Class yes

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 435

Breadth (greatest moulded)

B 56

Total

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c)

D 39

Gross Tonnage 5744.72

Register Tonnage 3556.10

1st Longitudinal Number (L x D) = 16747

2nd Numeral L x (B + D) = 41107

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

17.67

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

11.15

Do. Long Bridge to top of keel

Draught Moulded

26'-3 3/4"

Managers Fred. Olsen and Co

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

Residence Oslo

Port of Registry Oslo

If surveyed while building, afloat, or in dry dock

while building.

FRAMES, DOUBLE BOTTOM AND BEAMS.

	and in INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		and in INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	32 1/2		Bracket Floors, Frame	200 90 11.5	BA
" " from 3/4 length to Collision bulkhead	27		" " Reversed Frame	200 75 9.5	BA
" " in peaks	24		" " Vertical Struts	200 75 9.5	BA
SIDE FRAMING.			Centre Girder, depth and thickness amidships	46 .60	
Frame Amidships, Angle, [or]	300 90 175	11 1/2 x 3 1/2 x .51	" " top Angles	90 90 14	double
" " Extends up to	3 rd deck		" " bottom Angles	130 130 16	double
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	2 .48	
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	43 .56	
Depth of Framing Girder	✓		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	130 130 15	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	230 90 11	8 1/2 x 3 1/2 x .48	" " Vertical Angle to Tank side Bracket forward 1/2 len. from stem	130 130 15	
" " Second 'tween Decks, Angle, [or]	230 90 11		" " Gussets, spacing and scantling abaft 1/2 len. from stem	27" x .44	continuous plate
" " Third " " " "	✓		" " Gussets, spacing and scantling forward 1/2 len. from stem	do.	
Framing in Peaks, Angle or [230 90 11.5		Tank Side Brackets, height above base line at toe of Frame and thickness	82 .44	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 5 1/4		INNER BOTTOM PLATING.		
State if Frame Joggled	yes		Breadth and thickness of Middle Line Strake	55 .54 .48	
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	strong beam 250 x 40 12.5 L ✓ side stringers 36" x 44 ✓ web frames 36" x 52 ✓ double frames 2 stringers (p + s), 6 B Rule thickness solid floors, each side girder all side girders for'd of 3/5 L have double shell connections.		Thickness of remainder in Holds	.46 .42	
STRENGTHENING OF BOTTOM FORWARD. State Particulars			Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bankers and Boiler Room?	yes	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in Wells, Angle, [or]	190 .85 10.5	✓
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	every frame	✓
" " Through Plate or Intercoastal Plate			Second Deck, amidships, Angle, [or]	200 85 10	✓
" " Foundation Plate on Floors			Spacing	every frame	✓
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, [or]	200 85 11.5	8 x 3 = 24 ✓
Side Keelsons, No. each side			Spacing	every frame	✓
" " thickness of Intercoastal Plate			Fourth Deck, amidships, Angle, [or]	✓	
" " Angles			Spacing	✓	
DOUBLE BOTTOM.			Poop Deck, Angle, [or]	165 75 9	✓
Solid Floors, thickness and spacing	.44 every 3 rd frame		Spacing	every frame	✓
" " Are Frame and Reversed Frame joggled?	yes		Bridge Deck, Angle, [or]	✓	
Bracket Floors, breadth and thickness at middle line	35 .44		Spacing	✓	
" " breadth and thickness at margin plate	35 .44		Forecastle Deck, Angle, [or]	180 85 11.5	✓
			Spacing	every frame	✓

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.....	2			✓	Stringer Plate, breadth and thickness in way of Bridge	✓			
" ^{upper} in 'tween Decks, Size and Spacing.....	6" diam. Hatch ends			✓	Thickness of Plating abreast Deck openings in way of Wells.....	✓	.38		✓
" ^{lower} " " " "	12 1/2 - 6" diam. "			✓ <i>per plan</i>	Thickness of Plating abreast Deck openings in way of Bridge	✓			
" in Holds " " "	19" - 13" " "			✓	Thickness of Plating within line of openings...	✓	.34		✓
" " " " "				✓	If Sheathed, material and thickness	✓	no		✓
Centre Line Bulkhead.					Third Deck.				
Stiffeners and Spacing.....	200 85 11 BA			100 x 75 x 9 X	Stringer Plate, breadth and thickness.....	✓	49	.38	✓
Plating, thickness of30			.26	If Plated, state thickness.....	✓	.34		✓
STRINGERS AND DECKS.					Fourth Deck.				
Uppermost Continuous Deck.					Stringer Plate, breadth and thickness.....	✓			
Stringer Plate, breadth and thickness in Wells	62	.76		.68 + .08 across requirements	If Plated, state thickness	✓			
" " " " in way of Bridge	✓				Poop Deck.				
" Angle in Wells	150	150	17	✓	Stringer Plate, breadth and thickness	✓	39	.36	✓
Thickness of Plating abreast Deck openings in way of Wells.....	.58			.50 + .08 O.R.	Plating, Sheathing, material and thickness ...	✓	.26	2 1/2" O.P.	✓
Thickness of Plating abreast Deck openings in way of Bridge	✓			✓	Bridge Deck.				
Thickness of Plating within line of openings...	.42			✓	Stringer Plate, breadth and thickness.....	✓			
If Sheathed, material and thickness	in accou. 2" pine			✓	Plating, Sheathing, material and thickness ...	✓			
Second Deck.					Forecastle Deck.				
Stringer Plate, breadth and thickness in Wells...	49	.42		✓	Stringer Plate, breadth and thickness.....	✓	48"	.36	✓
					Plating, Sheathing, material and thickness ...	✓	.36		✓

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.	Thickness.	Thickness.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.		
	Inches.	Inches.	Inches.	Inches.			Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL	54	.87	.77	.77	<i>Welded</i>	double	1	3 ⁵ / ₈	4	1	3 ³ / ₄	Lapped	
„ DBLG. (if any)	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
BOTTOM PLATING, No. of Strakes	5	.72	.67	.52	For 40% of L & .68 + .04 O.R.	double	7/8	3 ⁵ / ₈	4	7/8	3 ¹ / ₂	Lapped	
BILGE PLATING, No. of Strakes	1	.72	.62	.52	do.	“	7/8	3 ⁵ / ₈	4	7/8	3 ¹ / ₂	“	
SIDE PLATING, No. of Strakes	6	.67	4 @ .67 2 @ .48	3 @ .50 3 @ .46	.68 at stern frame	“	7/8	3 ⁵ / ₈	3	7/8	3 ¹ / ₈	“	
UPPER DECK, Sheer-strake in Wells	51	.83	.48	.48		“	1	3 ⁵ / ₈	4	1	4	“	
UPPER DECK, Sheer-strake in Bridge ...	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
STRAKE BELOW Sheer-strake in Wells	51	.72	.48	.48	For 40% of L & .70 + .02 O.R.	double	7/8	3 ⁵ / ₈	4	7/8	3 ¹ / ₄	Lapped	
STRAKE BELOW Sheer-strake in Bridge ...	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
POOP SIDE PLATING	—	—	—	.40		single	3/4	3	2	3/4	2 ⁵ / ₈	Lapped	
BRIDGE SIDE PLATING ...	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	
FORE'TLE SIDE PLATING	—	—	.42	—		single	3/4	3	2	3/4	2 ⁵ / ₈	Lapped	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel— *for W.T. bulkheads (see for*
2 closed watch
 Extending to Upper Deck (Sec. 3 c) *5 bulkhead notation*
 " Deck next below *(see endorsement 5-1-29)*

As per Rule

			Plating Thickness.	STIFFENERS.			
				VERTICAL.		HORIZONTAL.	
				Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper tween decks			.44	30"-45" webbs at sides			
"	"	Second	✓	32-30	150.75-9.5	28½"	✓ ✓
"	"	Third	✓		✓	✓	✓ ✓
"	"	Holds	✓	44-.34	300.90-13	28½"	✓ ✓
COLLISION	"	(in Hold)	✓	49-.33	230.90-13	24"	✓ ✓
AFTER PEAK	"	"	✓	48-.30	120.75-9	24"	✓ ✓

FORGINGS and CASTINGS.

about repair)	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓	✓	✓	✓
STEM	F	10 1/4 x 2 3/4		✓
STERN FRAME { Propeller Post	✓	✓	✓	✓
{ Rudder "	C	10 1/2 x 3 1/2	Limited co formerly The Shoda-Works Pilsen	✓
RUDDER—A x D	600.4		do.	✓
Speed of Vessel	13 knots			
RUDDER mainpiece at head ...	F	11 1/2"	Limited co formerly	
" " heel ...		8 1/2"	The Shoda-Works Pilsen	✓
" how constructed	5 arms	shrub	* keyed on	✓
✓ " double or single plate	single			
" coupling, vertical or	vertical			
" horizontal				

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)

Plates:- Witkowski Bergbau- und Eisenerz- und Gesteins- Gesellschaft
 Profiles:- do do

Has the Steel been tested as required by the Rules? Yes

EQUIPMENT No. 42217											LETTER 67		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.					
2081	1st Bower ...	75	1	17				56	10	0	0	72½	Grisson Stockless	Otto Grison T Co. Magdeburg	Magdeburg 23/8/29. Karl Hauf.	
2082	2nd „ ...	69	3	25				53	15	0	0	72½	ditto		ditto	
2073	3rd „ ...	65	3	9				51	10	0	0	62	ditto		Magdeburg	Magdeburg, 30/7/29. Karl Hauf.
	Collective weight.	211	0	23								207				
2086	Stream ...	22	2	20	6	0	3	22	18	3	0	20½	Ordinary stock	Buckau	Magdeburg, 29/8/29. M. Berg.	

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.	Statu-tory.	Break-ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Ins.		Length.	Ins.
	Fathoms.	Ins.	Tons.	Tons.	Cwts. grs. lbs.	Cwts.	Fathoms.	Ins.					Fathoms.	Ins.	Tons.	Fathoms.	Ins.
68	300	2 3/8	10 1/2	142 1/2	905	844 1/4	300	2 3/8	Haslink	Borsigwerke	Borsigwerk 13/6/29 H. Schneiders	TOWLINE...	130	5	73	130	5 1/2
												HAWSERS & WARPS	2000	2 3/4	15 1/2	2000	2 3/4
												"	2000	2 3/4	15 1/2	2000	2 3/4
		Cir.						Cir.				"					
Iron Stream Chain or Steel Wire	120	4 1/2		59			120	5		Special flexible		"					

Steering Gear, *Steam Electric. Tho. B. Thrige, Odense* Steering Gear, *Hand direct*

Boats *4 @ 23'-2" x 1'-6½" x 2'-11"* Steering Chains, Size and Test *✓* Windlass *Electric. Tho. B. Thrige*

Ceiling in Holds, thickness and material *2½" pine on 2" battens* Cargo Battens, thickness, material and spacing *6 x 2" pine. 15" centres.*

Cargo Hatchways.—(Upper Deck) *Steel plates & angles* Thickness of Hatches *2½" + 3"*

Size of No. 1 Hatchway (Forward) *29'-3" x 18'-0" No. 2 37'-11" x 18'-0" No. 3 35'-2½" x 18'-0" No. 4 35'-2½" x 18'-0" No. 5 32'-6" x 18'-0" No. 6* *✓*

Number of Shifting Beams and/or Fore and Afters *No. 1-5, No. 2-7, No. 3-7, No. 4-7, No. 5-6*

ODENSE ST. J. ALSKIDSVÆRFT
VED A. P. MØLLER
Builder's Signature *H. A. Westh*

GENERAL DECLARATION. It should be stated (a) whether the vessel is fitted for the carriage and burning of oil used as fuel *yes* (b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo *no* The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

This vessel has been built in accordance with the approved plans, Secretary's letters and to the Rules of this society.

All the double bottom, tunnel- and peak-bunks have been tested according to the Rules and found tight.

The workmanship is to our satisfaction.

The weather decks, bulkheads and tunnels have been tested and found tight.

The freeboard has been marked on the ships sides, cut in and verified.

Flash point of oil above 150°

The amount of Entry Fee *KKK* : *163:80* Fees applied for, *30.1. 1930* *ASM*

Special Survey Fee *KKK* : *6245:00* Received by me, *21/2/30* *CCB*

Freeboard " *KK* : *182.00*

Travelling Expenses, if any *KK* : *961:60*

Late fee 30.00

Nov. legislation 17.00

State whether the Vessel has been built under Special Survey *yes* We are *of opinion the Vessel should be Classed* *100 A 1 with freeboard*

Signature *J. G. Buchanan. S. Sandersen*
Surveyor to Lloyd's Register of Shipping.

H+M
Certificate to be sent to Surveyors Office, Copenhagen Date of issue *12/2/30*

Committee's Minute

FRI. 7 FEB 1930

Character assigned

+ 100 A

With freeboard

Lloyd's arch. + Limb. 1.30 Cl. Oil Eng.

D.B. - 100 A

My

Eleo Ltd.



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Lloyd's Register Foundation

003706-003711-0167

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.)

Approved plans:-

- Midship section (two copies)
- Profile and decks (---)
- Shell-plating
- Painting arrangement
- Stemframe and rudder
- Motorsealing
- Bosspans
- Propeller brackets

Certificates:-

- 1 - Rudder
- 1 - Stemframe and propeller brackets
- 1 - Tubercle certificate (copy)

Particulars of Drop Test of Cast Steel Anchors, viz.:- Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower <i>Head. 50-1-26 KH. 6760. 15/8/29.</i>
	2nd " " <i>44-2-15 KH. 6738 30/7/29.</i>
	3rd " " <i>44-3-4 MB. 6665 19/7/29.</i>

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop *31.70* ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle *41.44* ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated

No. and Material of Decks (this information is to be given as it should appear in the Register Book) *2dhs (slt) 3rd dh (slt) except in no. 5 hold*

Official No. ☒ ; Signal Letters *LHOP* Is bottom of Vessel coated with cement *no* if not give particulars of composition *oil in double bottom, forepeak: oil; after peak: cement wash*

PARTICULARS OF WATER BALLAST.—

Where Fitted.	Oil Tons	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Oil Tons	Length. Feet.	Water Capacity. Tons.
Double bottom, aft, <i>Fuel</i>	<i>306.3</i>	<i>127.35</i>	<i>✓ 332.6</i>	Fore peak tank, <i>Fuel</i>	<i>106.3</i>	<i>20.4</i>	<i>✓ 115.9</i>
Double bottom, under Engines and Boilers, "	<i>187.6</i>	<i>54.2</i>	<i>✓ 203.8</i>	After peak tank, <i>WB</i>	<i>✓</i>	<i>20.0</i>	<i>✓ 127.8</i>
Double bottom, if under Engines only, <i>lubricating</i>	<i>21.5</i>	<i>✓ 13.65</i>	<i>✓</i>	Deep tank, aft, <i>Sides of tunnel (p+s) Fuel</i>	<i>2x32.1</i>	<i>18.11</i>	<i>—</i>
Double bottom, if under Boilers only, <i>✓</i>	<i>✓</i>	<i>✓</i>	<i>✓</i>	Deep tank, <i>forward, between tunnels</i>	<i>120.5</i>	<i>54.2</i>	<i>—</i>
Double bottom, forward, <i>Fuel</i>	<i>727.0</i>	<i>206.1</i>	<i>✓ 789.0</i>	Other tanks, if fitted, (If necessary, furnish further information by sketch.)	<i>—</i>	<i>12</i>	<i>—</i>
Total capacity of double bottom <i>388</i>				Total capacity of double bottom <i>1325.4</i>			

* The wells are not to be included in the lengths of the tanks.

Order for Special Survey No. *35*

Date *1/10/28*

Dates of Surveys held while building

1929 - July 5: MAR 19: APR 3: MAY 7.30: JUNE 12, 19: JULY 3.4.11.19.23.31: AUG 7.13.14.23.29: SEPT. 4.11.20.26: OCT. 2.8.16: NOV 1.8.15.27: DEC 3.10.20: 1930. JAN. 7.16.17.