

## STEEL STEAMER OR MOTORSHIP.

16375

Received at London Office.

State if Report has been sent on the Freeboard of the Vessel yes (comp.)State if Report is sent on the Machinery of the Vessel yesWRECK  
SECTION14 MAR 1958  
WRECK  
SECTION

No. 46308 Date of completion of report 4th February 1958 Port of Copenhagen No. 1958  
Survey held at Odense Date First Survey 16.10.56 Last Survey 7.1.1958

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) Single screw motor vessel "LAUST MERSE"State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Full scantling with tonnage opening State Type of Erections Poop and F' cle.TONNAGE under Tonnage Deck ... 5374.36CLASS +100A1State if with freeboard as condition of Class yesBuilt 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 457'-0"Launched 7.5.1957Yard No. 141Breadth (greatest moulded) B 63'-9"

"open"

Builders Messrs. Odense Stålskipsværft A/SDepth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 41'-3"

A/S D/S Svendborg and

Owners D/S af 1912 A/S1st Longitudinal Number (L x D) =Managers A.P. Møller

(Where necessary to be entered in Reg. Book)

2nd Numeral L x (B + D) =Residence CopenhagenFraming Depth "d," at middle of length. See Sec. 3 (1d) =Port of Registry CopenhagenProportions—Depth to Length—Uppermost continuous deck to top of keel =

If surveyed while building, afloat, or in dry dock

Do. Long Bridge to top of keel =Draught Moulded as "open" 27'-4"

yes

Full draft ab 31'-7"

## FRAMES, DOUBLE BOTTOM AND BEAMS.

	INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
ES, Spacing amidships.....	800 ✓		Bracket Floors, Frame .....	longt. framing	
"    from 3 length amidships to Collision bulkhead.....	685 ✓		"    Reversed Frame.....	see Rpt. 1 <sup>st</sup> ✓	
"    in peaks .....	610 ✓		"    Vertical Struts .....		
FRAMING.			Centre Girder, depth and thickness amidships	1255 13.75 (+) ✓	
me Amidships, Angle, <u>E or F</u> <u>T</u>	10 4 .64 ✓		"    top Angles .....		
"    Extends up to.....	3rd deck ✓		"    bottom Angles.....		
Reversed Frame Amidships, Angle .....			Side Girders, No. each side and thickness.....	2 9.5 ✓	
"    "    Extends up to ...			Margin Plate depth (excl. of flange) and thickness .....	1005 ✓ 15.5 app. 13.5	
Depth of Framing Girder.....			"    Vertical Angle to Tank side Bracket abaft 1/2 len. from stem .....		
Names in Uppermost Continuous 'tween Decks, Angle, <u>E or F</u> <u>T</u>	10 4 .44 ✓ app. ed. 9x4x52		"    Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area .....		
"    Second 'tween Decks, Angle, <u>E or F</u> <u>T</u>			"    Gussets, spacing and scantling abaft 1/2 len. from stem.....	315x315 ✓	
"    Third " " " " "			"    Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area .....	x12.5 brackets each frame	
"    from 3/5 len. for'd. to 15% len. from Stem .....	10 4 .72 ✓		Tank Side Brackets, height above base line at toe of Frame and thickness	1965 12.5 ✓	
"    in Peaks, Angle or <u>E</u> <u>T</u>	9 4 .46 ✓ app. 4.6		INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships .....			Breadth and thickness of Middle Line Strake...	2335 ✓ 13.25 ✓	
State if Frame Joggled.....			Thickness of remainder in Holds .....	11.5 ✓	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved? .....	yes ✓		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in of Bunkers and Boiler Room?.....	yes ✓	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved? .....	yes ✓		BEAMS.		
ANGLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, <u>E or F</u> <u>T</u>	longt. framing	
Floors, Depth and thickness at mid-line in Holds.....			"    "    in way of Bridge, Angle, <u>E or F</u> <u>T</u>	see Rpt. 1 <sup>st</sup> ✓	
Height of Brackets at side above base line at toe of frame.....			Spacing .....		
Middle Line Keelson, on Floors, Angles, <u>E or F</u> <u>T</u>			Second Deck, amidships, Angle, <u>E or F</u> <u>T</u>	9 4 .48 ✓	
"    "    Through Plate or Inter-costal Plate .....			Spacing .....	6 3 1/2 .42 ✓ every frame	
"    "    Foundation Plate on Floors .....			Third Deck, amidships, Angle, <u>E or F</u> <u>T</u>	9 4 .42 ✓	
"    "    Flat Plate Keel Angles .....			Spacing.....	every frame	
Side Keelsons, No. each side.....			Fourth Deck, amidships, Angle, <u>E or F</u> <u>T</u>	"	
"    "    thickness of Inter-costal Plate...			Spacing.....	"	
"    "    Angles .....			Poop Deck, Angle, <u>E or F</u> <u>T</u>	7 3 1/2 .34 ✓ every frame	
Spacing.....			Spacing.....	"	
DOUBLE BOTTOM, in way of longt. framing			Bridge Deck, Angle, <u>E or F</u> <u>T</u>	"	
Solid Floors, thickness and spacing .....	11.75 every 2nd frame		Spacing.....	"	
"    "    Are Frame and Reversed Frame joggled? .....	10.75 every frame ✓		Forecastle Deck, Angle, <u>E or F</u> <u>T</u>	7 3 1/2 .44 / .38 ✓	
Bracket Floors, breadth and thickness at middle line .....	longt. framing ✓		Spacing.....	every frame	
"    "    breadth and thickness at margin plate.....	See Rpt. 1 <sup>st</sup> ✓				



## 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.	
<b>PILLARS, No. of Rows</b> .....									
"	in 'tween Decks, Size and Spacing .....								
"	" " " " " .....								
"	in Holds " " " " " .....								
"	" " " " " .....								
<b>Centre Line Bulkhead.</b>									
Stiffeners and Spacing .....		corrugated scantlings as approved ✓							
Plating, thickness of .....									
<b>STRINGERS AND DECKS.</b>									
<b>Uppermost Continuous Deck.</b>									
Stringer Plate, breadth and thickness in Wells		23	30	23,5	✓				
"	" " " " in way of Bridge								
"	Angle in Wells	6	6	.80	✓				
Thickness of Plating abreast Deck openings } in way of Wells		27/23 as approved by letter dated 1.7.55 ✓							
Thickness of Plating abreast Deck openings } in way of Bridge.....									
Thickness of Plating within line of openings...		9.5 ✓							
If Sheathed, material and thickness.....									
<b>Second Deck.</b>									
Stringer Plate, breadth and thickness in Wells		10.5			✓				
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		7,5 ✓							
If Plated, state thickness .....		7,5 ✓							
<b>Fourth Deck.</b>									
Stringer Plate, breadth and thickness.....									
If Plated, state thickness.....									
<b>Poop Deck.</b>									
Stringer Plate, breadth and thickness		7,5 ✓							
Plating, Sheathing, material and thickness ...		7,5 (6,5 in s house wh							
<b>Bridge Deck.</b>									
Stringer Plate, breadth and thickness.....									
Plating, Sheathing, material and thickness ...									
<b>Forecastle Deck.</b>									
Stringer Plate, breadth and thickness		8 ✓							
Plating, Sheathing, material and thickness...		8 no ✓ sheathing							

## SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED LAPPE
	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.....	2335	22	22	22								
„ Dblg. (if any)		17			app.ed. 12,5							
Bottom Plating, No. of Strakes .....3.....		17	15	13,5	where long.fram.							
Bilge Plating, No. of Strakes .....1.....		18	stealer	stealer	" transvr. "							
Side Plating, No. of Strakes .....4.....		18	stealer	stealer								
Upper Deck, Sheer- strake in Wells.....	2280	21	12	12	1/2 at the bottom							
Upper Deck, Sheer- strake in Bridge ...												
Strake below Sheer- strake in Wells.....												
Strake below Sheer- strake in Bridge ...												
Poop Side Plating.....				9,5								
Bridge Side Plating.....												
Forecastle Side Plating				10,5								

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel— *In RB.*

Extending to Upper Deck (Sec. 3 c) 6 *1*

„ Deck next below 1 *6*

As per Rule \_\_\_\_\_

## FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Depar from Appr Plans to be
KEEL, Bar .....				
STEM .....		soft nose, CS (shaped,	plating as	as approved
STERN FRAME {		Propeller Post		
{		Rudder		
Speed of Vessel .....		17.6 knots		
RUDDER—Type .....		Simplex type		
" A X D .....		361		
" Diam. of head .....		295		
" Mainpiece at top pintle				
" " heel		290	diam.	
" how constructed .....		plates and castings		
" double or single plate		double 11 m/m		
" coupling, vertical or		horizontal		
" horizontal				

## STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) open hearth ✓  
 Plates (incl. P. 403 material): Det Danske Stålvalseværk  
 Profiles: Det Danske Stålvalseværk, Dorman Long Ltd. Steel Co. of Scotland  
 Has the Steel been tested as required by the Rules? yes ✓



# PARTICULARS OF LONGITUDINAL FRAMING

Cpn. report no. 16375.

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	
	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.		Diam. Ins.	Speng. Ins.		Number.	Diameter. Inches.
L, L or C .....												
Bridge 'tween Decks ...												
Uppermost Continuous No. 1												
" 2												
" 3												
" 4												
" 5												
" 6												
" 7												
" 8												
" 9												
" 10												
" 11												
" 12												
" 13												
" 14												
" 15												
" 16												
of (Amidships .....												
linal (At Ends .....												
ank Top Longitudinals	7	3 1/8	.52									
Bottom " "	8	4	.40									
ngitudinals (Amidships)	815 m/m											
(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												
Braekets .....												
of Transverse Frames...												
e If joggled or liners.												
Bridge Deck...							Spacing.					
Upper " "	7	(3)	.34				√ 830 m/m	Plate. m/m	Face Angles. m/m	Any departure from Approved Plans to be Noted.		
Second " "		3 1/2						250x8	200x18	Spaced 3200 m/m		
Third " "												

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.

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EQUIPMENT No. 49562

LETTER et.

ANCHORS.

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.				
1st Bower	86	3	21					61	17	2	0	85.5	Stockless	Samuel Netherton 28.1.57
2nd "	87	3	21					62	5	0	0	85.5	"	" Murphy
3rd "	86	3	14					61	17	2	0	73.5	"	"
Collective weight	261	3	0									244.5	SP. 25 NR	Sons. Brierley Hill.
Stream	25	0	10	6	2	0		24	15	0	0	25	steel stock	Ltd.

## CHAIN CABLES.

## HAWSERS AND WARPS.

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.	Ins.		Length.	Ins.	
Length.	Diam.	Statu-tory.	Break-ing.	Supplied.	Per Rule.	Length.	Diam.					Fathoms	Ins.	Fathoms	Ins.	Tons	Fathoms
301	2 5/16	13 1/2	18 3/4	845	2.12	75 1/2	300	2 1/4	link	Samuel Taylor & Sons Brierley Hill	Brierley Hill	TOWLINE	130	5 1/2	85.7	120	5 1/2
									Brierley Hill Ltd.	18.1.1957	Humble	HAWSERS & WARPS	4 x 110	3	26.1	4 x 110	3
									Jac. Holm & Sønner	Copenhagen	1-3-57						
120	4 3/4			65	6		120	4 3/4	6x24								

Hand gear on aux. eng. quadrant and 2 indep. elec. motors

Gear, Type (Power or hand) Electric, Ths. B. Thrige

Alternative Means of Steering

Chains (Size and Test) telemotor

Windlass Elec. Ths. B. Thrige

4 of 24'-0" lifeboats  
Boats 1 of 18'-0" dinghy

in Holds, thickness and material 2 x 2 1/2" WP on 1/2" battens

Cargo Battens, thickness, material and spacing 6x2" spaced 9"

sidecoamings 15-12 1/2 m/m as app.ed.

ways.-(Upper Deck) 1070 m/m high endcoamings 11 m/m

Thickness of Hatches steel pontoon hatches as appd.

ways No. 1 (Fwd.) 9590x4880

No. 2 14400x6100

No. 3 12800x6100

No. 4 12000x6100

No. 5 10400x4880

No. 6 3200x4880

Shifting Beams

No. 6 hatch only: - one

Odense Staalskibsvarft

Builder's Signature

S. Sanden

(x) except no. 1 hatch on f'cle deck where Mac. Gregor hatch covers and on no. 6 hatch on poopdeck

where 3" wood covers.

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 is a motorship  
whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo yes The positions in which oil is carried as fuel or cargo should  
be stated, together with the flash point (where required to be inserted in the Notation).

Vessel is built under special survey in conformity with the Society's Rules and Regulations

of the Secretary's letters. The scantlings and arrangements of the ship are as given in the

plans and as shown and amended on the approved plans now forwarded. All modifications or

variations to the original approved arrangements made during the construction have been indicated

on the plans "as built" and have been approved as being in accordance with or by standards

equivalent to the Rule requirements. The plans of midship section and profile decks showing

the ship "as built" now forwarded herein, have been checked with the approved arrangements

and in order.

The material and workmanship are to my satisfaction.

The tanks, peak tanks, deep tanks, tunnel side tank, WT bhd<sup>s</sup>, WT doors, tunnel with recess,

and decks- air and sounding pipes, windlass and steering gear have been tested as required

by the Rules and found satisfactory.

Amount of Survey Fee as per scale kr. 23.830

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

Special Survey Fee

in R.F.D. 20/58

Received by me,

Travelling Expenses, if any

kr. 2.118.- 19

I am of opinion the Vessel should be Classed +100A1

whether the Vessel has been built under Special Survey yes

Signature

S. Sanden

Surveyor to Lloyd's Register of Shipping.

Date to be sent to Surveyor's office, Cpn. Date of issue 30/4/58

Committee's Minute

FRIDAY 11 APR 1958

Character assigned

+100A1

Carrying oil F.P. above 150°F, Molasses, Glycerine,  
Vegetable oil or Latex in midship tank & deep tanks aft.

LACP

DS 11.57

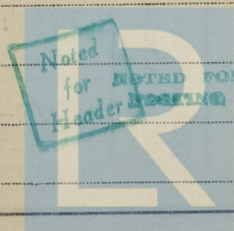
+LMC

ES  
DBS  
TSCL } 1.58

Date Gpn.

Add. 5/11 for H.Cs. m.C.C.

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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 the Plans should be embodied.)

The Rules for elec. welding to ship construction have been complied with where applicable vessels are fitted for carriage of oil fuel (FP above 150°F) in DB tanks, deeptanks, tunnel wing tanks and as cargo to carry O.F. (FP above 150°F) molasses, glycerine, vegetable oil latex in deep tanks and tunnel wing tanks.

Section 20 of the Rules complied with where applicable.

The freeboard, assigned by the Danish Authorities, have been marked on the vessel's side verified and cut in.

Materials: The material of the main structure of primary importance comply with chapter sections 4 para 403 of the Rules. The material is fitted as approved and as indicated on special plan now forwarded. For full particulars of material please see steel advice now forwarded.

Scantlings The scantlings of this ship are suitable for a summer moulded draft of ab. 31' the scantlings have been considered for the ship being loaded down to her freeboard mark having deeptanks amidships empty.

Loading of ship:— The scantlings of this ship have been increased to comply with section D 34 of the Rules for heavy cargo and a suitable endorsement to that effect is desired by Owners to be made in the classification certificate.

Chain cables:— The chain cables for this ship are made of special steel of a size 1/16" than required by the Rules.

Sister Vessel:— m.s. "LEDA MERSK" (Yard No. 138)

docking date 19-11-57.

#### PARTICULARS OF ELECTRIC WELDING (if employed)

All welded except stringerangle on upperdeck to deck and shell.

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

Oil/Eng. Lont. framing at bottom and upperdeck

ESD-DF-Gyc-Gyro-steering

Elec. welded - Lloyd's A & P - Rise of floor 4" Head

RADAR Equipment (State if fitted) yes

State Type or Pattern No.

State Name of Maker and/or Supplier } Raythem  
Marine  
Pathfinder

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

1st Bower 56.07 AEG 6964 1.5.56

2nd „ 55.2.0 AEG 7223 18.9.56

3rd „ 55.3.21 AEG 7319 18.9.56

#### PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 42'-7" ft., R.Q.D. ft., Bridge ft., Forecastle

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated

Official No. Signal Letters OWWU Extreme Breadth over Boring 63.9' Over-all Length 497.7' (Circ. 1611) (Circ. 1703)

No. and Material of Decks 2 deck (steel)

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.
Double bottom, aft,		408	Fore peak tank,	
Double bottom, under Engines and Boilers,		401	After peak tank,	
Double bottom, if under Engines only,		755	Deep tank, aft, <u>of MR.</u>	
Double bottom, if under Boilers only,			Deep tank, forward, <u>of MR.</u>	
Double bottom, forward,			Other tanks, if fitted, <u>of MR.</u>	
Total length (if continuous) and Capacity		1664	(If necessary furnish further information by sketch.)	

Order for Special Survey No.

Date

Dates of Surveys held while building

1956: 16/10-19/10-2/11-6/11-9/11-13/11-13/12.

1957: 15/1-17/1-22/1-30/1-6/2-12/2-13/2-19/2-26/2-8/3-15/3-19/3-22/3

29/3-2/4-9/4-12/4-16/4-25/4-30/4-4/5-6/5-20/5-31/5-1/6-28/6-5/7-9/8

17/9-28/10-5/11-15/11-18/11-19/11-23/11-31/12-7/1.

Total No. of Visits