

Rpt. 1.

STEEL STEAMER or MOTORSHIP.

Received at London Office 7 OCT 1941

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 16th August 1941 Port of Copenhagen No. 113.48
Survey held at Elsinore Date First Survey 25th Sept. 1940 Last Survey 20th August 1941

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) *steel single screw motorvessel "EROS"*
State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) *Complete superstructure with tonnage opening* State Type of Erections *none*
TONNAGE under ENGLISH CLASS +100 A1 State if with freeboard as condition of Class *yes* Built at *Elsinore*

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 350'-0" Launched 18-6-41 Yard No. 266

Total Breadth (greatest moulded) B 50'-6" Builders *Helsingørsk Jernskibs og Maskinfabrik*

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 31'-9" Owners *Rederiaktieselskabet "Helsingborg"*

1st Longitudinal Number (L x D) = 10940 Managers *Otto Hillersham*
(Where necessary to be entered in Reg. Book.)

2nd Numeral L x (B + D) = 28600 Residence *Helsingborg*

REGISTERED DIMENSIONS. METRES. FEET. Framing Depth "d" at middle of length. See Sec. 3 (1d) 11.02
Port of Registry *Helsingborg*

Proportions—Depth to Length—Uppermost continuous deck to top of keel 11.2
If surveyed while building, afloat, or in dry dock

Do. Long Bridge to top of keel 21'-8 3/4"
while building.

Draught Moulded

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.
FRAMES, Spacing amidships	27"		Bracket Floors, Frame	150 75 9 BA
" from 1/2 length amidships to Collision bulkhead	24"		" " Reversed Frame	150 75 9 BA
" in peaks	24"		" " Vertical Struts	200 75 10 app'd:- 180 x 75 x 75 x 9
FRAMING. Frame Amidships, Angle, E or F	250 90 11		Centre Girder, depth and thickness amidships	40" .46
" Extends up to	2 nd deck		" " top Angles	90 90 10 double
Reversed Frame Amidships, Angle	—		" " bottom Angles	90 90 12 —
" Extends up to	—		Side Girders, No. each side and thickness	one .34
Depth of Framing Girder	—		Margin Plate depth (excl. of flange) and thickness	33" .46
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	main frames cut down to 6"-8 1/4" acc. to height of lower decks	on alternate frames only.	" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	75 75 10
" Second 'tween Decks, Angle, E or F	—		" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	75 75 10
" Third " " " "	—		" " Gussets, spacing and scantling abaft 1/2 len. from stem	gusset plates 15" x .46 in
from 1/2 len. for'd. to 15% len. from Stem	250 90 11 BA		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	alternate frames
in Peaks, Angle, E or F	FP 200 75 9		Tank Side Brackets, height above base line at toe of Frame and thickness	5'-10"
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8" 6 1/4"		INNER BOTTOM PLATING.	
State if Frame Joggled	<i>yes</i>		Breadth and thickness of Middle Line Strake	60" .46
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	<i>yes</i>		Thickness of remainder in Holds	.38
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	<i>yes</i>		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Tankers and Boiler Room?	<i>yes</i>
DOUBLE BOTTOM.			BEAMS.	
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships	165 75 8.5 at Hold
Height of Brackets at side above base line at toe of frame			" " in Walls, Angle, E or F	180 75 8 1/2 DER 1118
Middle Line Keelson, on Floors, Angles, E or F			" " in way of Bridge, Angle, E or F	
" " Through Plate or Intercoastal Plate			Spacing	every frame
" " Foundation Plate on Floors			Second Deck, amidships, Angle, E or F	150 75 9 1/2
" " Flat Plate Keel Angles			Spacing	every frame
Keelsons, No. each side			Third Deck, amidships, Angle, E or F	
" thickness of Intercoastal Plate			Spacing	
" Angles			Fourth Deck, amidships, Angle, E or F	
"			Spacing	
DOUBLE BOTTOM.			Poop Deck, Angle, E or F	
Mid Floors, thickness and spacing	34" every 4" frame		Spacing	
" Are Frame and Reversed Frame joggled?	<i>yes</i>		Bridge Deck, Angle, E or F	
Bracket Floors, breadth and thickness at middle line	36" .34		Spacing	
" breadth and thickness at margin plate	33" .34		Forecastle Deck, Angle, E or F	
"			Spacing	

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.....			Stringer Plate, breadth and thickness in way of Bridge	✓	
" in 'tween Decks, Size and Spacing.....			Thickness of Plating abreast Deck openings in way of Wells32"	
" " " " " "			Thickness of Plating abreast Deck openings in way of Bridge	✓	
" in Holds " "			Thickness of Plating within line of openings.....	.32"	
" " " " " "			If Sheathed, material and thickness	✓	
Centre Line Bulkhead.			Third Deck.		
Stiffeners and Spacing.....	180 75 8- 230 90 11	✓	Stringer Plate, breadth and thickness.....		
Plating, thickness of30	✓	If Plated, state thickness.....		
STRINGERS AND DECKS.			Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....		
Stringer Plate, breadth and thickness in Wells	66 1/2" .48	✓	If Plated, state thickness		
" " " " in way of Bridge	✓		Poop Deck.		
" Angle in Wells	130 130 12	✓	Stringer Plate, breadth and thickness		
Thickness of Plating abreast Deck openings in way of Wells44	✓	Plating, Sheathing, material and thickness		
Thickness of Plating abreast Deck openings in way of Bridge	✓		Bridge Deck.		
Thickness of Plating within line of openings.....	.34 -.32"	✓	Stringer Plate, breadth and thickness.....		
If Sheathed, material and thickness	✓		Plating, Sheathing, material and thickness		
Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells.....	70 1/2" .42	✓	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.		SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED 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	48	.69	.69	.69		double	7/8	3 1/2	3	7/8	3/8	El. welded and strapped	
„ DBLG. (if any)						✓							
BOTTOM PLATING, No. of of Strakes3.....		.52	.59	.52		double	7/8	3 1/2	3	7/8	3/8	lapped	
BILGE PLATING, No. of Strakes1.....		.52	.62	.52		- - -	7/8	3 1/2	3	7/8	3/8	- - -	
SIDE PLATING, No. of Strakes3.....		.50	.52	.42	In Gunner stem 42"	- - -	7/8	3 1/2	3	7/8	3/8	- - -	
UPPER DECK, Sheer- strake in Wells.....		.56	.44	.42	In Aft Peak 44"	- - -	7/8	3 1/2	3	7/8	3/8	- - -	
UPPER DECK, Sheer- strake in Bridge ...						✓							
STRAKE BELOW Sheer- strake in Wells.....		.50	.44	.42		double	7/8	3 1/2	3	7/8	3/8	lapped	
STRAKE BELOW Sheer- strake in Bridge ...						✓							
POOP SIDE PLATING						✓							
BRIDGE SIDE PLATING ...						✓							
FOREC'TLE SIDE PLATING						✓							

WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c) 2

 " Deck next below 3

As per Rule 6

Letter re bulkhead omission attached hereto.

STIFFENERS.

	Plating Thickness.	VERTICAL.				HORIZONTAL.			
		Scantlings.	Spacing.	Scantlings.	Spacing.	Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD Upper tween decks	p. 61		✓						
" Second "									
" Third "									
" Holds		40-28	250-90-112	30"		29"x.36 with 130x130-11 3/4	5'-6"		
COLLISION (in Hold)		42-28	180-75-82	24"		29"x.36 with 130x130-11 3/4	5'-6"		
AFTER PEAK		40-28	200-75-10 1/2	24"		29"x.36 with 130x130-11 3/4	5'-6"		

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	✓			
STEM	Forging	8 1/2" x 2 1/2"		
STERN FRAME { Propeller Post	Casting	Shaped Unheated	Shimons	
{ Rudder				
Speed of Vessel		12 knots		
RUDDER—Type				
" A x D		415 1/2"		
" Diam. of head		10"		
" Mainpiece at top pintle		✓		
" " heel				
" how constructed		Cast steel frame with		
" double or single plate		double plate		
" coupling, vertical or horizontal		Vertical		

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) open hearth
 Plates: - August Thyssen-Hütte A/G a Dornier's Ironworks & Works steel Co.
 Profiles: - Dorman Long & Co. and Colvilles Ltd. and Connell Iron works.
 Has the Steel been tested as required by the Rules? yes.

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.		Fathoms.	Ins.
1947	270 $\frac{2}{3}$	2 $\frac{1}{16}$	76 $\frac{1}{2}$	107 $\frac{1}{16}$	628.0.0	577	270	2 $\frac{1}{16}$	stud link	Messrs. Kettenwerke Schlieper	Grüne 12/4/41 Jul. Quast	TOWLINE...	120	4 $\frac{1}{2}$	43.3	120	4 $\frac{1}{2}$
												HAWSERS & WARPS	2*90	2 $\frac{1}{2}$	18.5	2*90	7"U
												"	2*90	2 $\frac{1}{2}$	18.5	2*90	7"
on Stream Chain or Steel Wire	90	4 $\frac{1}{2}$		43.3			90	4 $\frac{1}{2}$	6*12	Randers Reblaseri	Randers 14/9/40	"					

Steering Gear, Type (Power or hand) *Ths. B. Thiegers electric gear* Alternative Means of Steering *diesel*
 Steering Chains (Size and Test) *✓* Windlass *Ths. B. Thiegers (electric)* Boats *1 boat @ 24'-0" x 7'-9" x 3'-0"*
1 " " @ 26'-0" x 8'-0" x 3'-3" (motor)
2 dinghies @ 17'-0" x 5'-9" x 2'-4"
 Ceiling in Holds, thickness and material *2 1/2" pine* Cargo Battens, thickness, material and spacing *2" pine 9" spacing*
 Cargo Hatchways.—(Upper Deck) *35" high with .44 steel coamings* Thickness of Hatches *2 1/2"*
 Size of Hatchways No. 1 (Fwd.) *26' x 20'* No. 2 *33'-9" x 20'* No. 3 *33'-9" x 20'* No. 4 *33'-9" x 20'* No. 5 *27' x 20'* No. 6 *✓*
 Number of Shifting Beams } *Nos. 1 & 5 :- 5 off.* *Nos. 2, 3 & 4 :- 6 off.*
 and/or Fore and Afters }

Builder's Signature

ARTESKIDET
HELSINGBORG SÆRSKIBS- OG MASKINBYGGERI

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 is a motorship
(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 (where required to be inserted in the Notation).

Vessel fitted for carrying oil fuel in Nos. 2, 3, 4, 5 or 6 DB tanks and deep tanks.

F.P. of oils above 150°F and requirements of sec. 20 complied with.

This vessel is built in accordance with the approved plans, the Secretary's letters, the Society's Rules and to my satisfaction.

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

all the DB tanks, peak tanks, deep tanks, weather decks, gutterways, W.T. blids, shaft tunnel and recesses, scuppers and air- and sounding pipes water tested according to Rules.

W. T. does, mindless, steering arrangements tried and found satisfactory.

Freeboards cut in on vessels sides and verified.

amount of Entry Fee ... $\frac{1}{2}$ s	: 160.00	} Fees applied for,
Freeboard fee $\frac{1}{2}$ s	315.00	
Special Survey Fee. $\frac{1}{2}$ s	5:395.00	} Received by me,
Travelling Expenses, if any $\frac{1}{2}$ s	: 194.50	

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

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

whether the Vessel has been built under Special Survey yes

Signature

Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to Belsingborg Date of issue _____

FRI. 31 OCT 1941

Committee's Minute

Character assigned

+ 100A

With freeboard

OL.

+ Lm. C. P. 41 Subject
Oil lng.

Lloyd's Register
Foundation

W278-0114(2121

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 the Plans should be embodied.)

Copies of approved plans:—

Midship section
Profile and decks
Shell expansion
Stem sternpost and rudder
Stempost (uppermost part)
Main Quadrant.
Pinion
Aux. Quadrant.

Air and sounding pipes
W.T. Bhd and stronger aft.
Hatch end beams at upper deck.
Gusset plates.
Aft. of Aux. Motor seating
Sketch of frames thro' the decks (2 off).

Note:—

All these Plans are retained in the Copenhagen Office pending resumption of normal postal communication.

Plans "as built":—

Midship section
Profile and Decks.
Shell Expansion.

Interim Certificate (two)
Letter from Borer re Bulkhead omission.

Swedish Tonnages.

Under deck 2622.55
Gross. 3151.82
Net. 2307.40

PARTICULARS OF ELECTRIC WELDING (if employed)

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

Cruiser stern
Intermediate BH in after hold dispensed with.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.		Head				Shank			
		1st Bower	2nd "	3rd "		1st Bower	2nd "	3rd "	
		39.0.20	37.2.12	28.2.16	NS 2551 23.7.40	18.2.27	18.0.19	13.1.4	NS 2567 1.8.40 NS 2493 25.5.40 NS 2494 22.5.40

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ 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. 8480 Signal Letters SELT Extreme Breadth over Belting (Circ. 1611) Over-all Length 373'-0" (Circ. 1708)
No. and Material of Decks 2 dks (sh) 10k & Shelter dk
Parts of Bottom of Vessel coated with cement or approved composition Nos. 1 & 8 DB tanks.

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.)

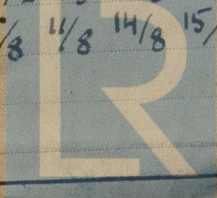
Where Fitted.	Length. Feet.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	f. 15-59	99'	Fore peak tank,	18	6
Double bottom, under Engines and Boilers,	f. 59-76	42.8'	After peak tank,	34	18
Double bottom, if under Engines only,	f. 76-152	160.5'	Deep tank, aft, amidships	6.8	16
Double bottom, if under Boilers only,		302.3'	Deep tank, forward,		
Double bottom, forward,			Other tanks, if fitted,		
Total length (if continuous) and Capacity			(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 155

Date 18-9-39

Dates of Surveys held while building

1940:— 25/9 21/10 21/11 18/12
1941:— 14/1 21/1 28/1 1/2 11/2 18/2 26/2 11/3 25/3 7/4 18/4 22/4 13/5 23/5 3/6 13/6 18/6 28/6 17/7 21/7 25/7 28/7 5/8 11/8 14/8 15/8 28/8



Lloyd's Register Foundation
Total No. of Visits