

STEEL STEAMER or MOTORSHIP.

Received at London Office

560,130 02

20 OCT 1939

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!*

SECTION

No. 1050

No. 11024

Date of completion of report *4th October 1939*Port of *Copenhagen*Date First Survey *18th March 1939*Last Survey *2nd October*

1939

Survey held at *Elisvare*On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) *Twin Screw Motor Ship "INDIAN REEFER"*State Type (Full Sailing, Complete Superstructure with or without Tonnage Openings) *Complete Superstructure Vessel with Tonnage Opening* State Type of Erections *Fixed*TONNAGE under Tonnage Deck *2037.17*CLASS *100 A.1*State if with freeboard as condition of Class *yes!*Built at *Elisvare*

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 352.0*Launched *18th July 1939* Yard No. *259*Total *2037.17*Breadth (greatest moulded) *B 51.5*Builders *Helsingors Sverkskibs- & Maskinbyggeri*Gross Tonnage *2814.86*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 29.125*Owners *J. Lauritzen*Register Tonnage *1557.72*1st Longitudinal Number (L x D) *= 9856*Managers *(Where necessary to be entered in Reg. Book.)*2nd Numeral L x (B + D) *= 27984*Residence *Copenhagen*

REGISTERED DIMENSIONS. FEET.

Framing Depth "d," at middle of length. See Sec. 3 (1d) *16.84*Port of Registry *Esbjerg*Length *356.6*Proportions—Depth to Length—Uppermost continuous deck to top of keel *12.09*Surveyed while building, afloat, & in dry dock? *Yes!*Breadth *51.6*Do. Long Bridge to top of keel *19.3*Depth *17.1*Draught Moulded *19.3*

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	6 3 1/2 .38	
" " from 3/4 length amidships to Collision bulkhead	27 ✓		" " Reversed Frame	6 3 .36	
" " in peaks	24 ✓		" " Vertical Struts	6 3 .36	
FRAMING, Aft	8 3 1/2 .36 ✓		Centre Girder, depth and thickness amidships	39" * .48	
Frame Amidships, Angle, E or [Forw?	9 3 1/2 .36 ✓		" " top Angles	double 3 3 .44	
" " Extends up to	2 nd deck		" " bottom Angles	double 4 4 .48	
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness	1 2 .34	
" " Extends up to	✓		Margin Plate depth (excl. of flange) and thickness	28 * .46	
Depth of Framing Girder	✓		" " Vertical Angle to Tank side	Brackets etc.	
Frames in Uppermost Continuous 'tween Decks, Angle, E or [	6 3 1/2 .28 ✓		Bracket abaft 1/4 len. from stem	welded to tank side. Full count.	
" " Second 'tween Decks, Angle, [or [	✓		" " Vertical Angle to Tank side	weld both sides	
" " Third " " "	✓		Bracket from forward 1/4 len. from stem to Panting Area	15 * 9 * 3/16 brackets on all frames	
" " from 1/4 len. for'd. to 15% len. from Stem	9 3 1/2 .44 ✓		Gussets, spacing and scantling abaft 1/4 len. from stem	6 lvs. welded to tank top.	
" " in Peaks, Angle or [	6 3 1/2 .36 ✓		Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	7/8 ~ 6 1/4 ✓		Tank Side Brackets, height above base line at toe of Frame and thickness	56 1/2 * .38	
State if Frame Joggled	yes! ✓		INNER BOTTOM PLATING.		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	yes! ✓		Breadth and thickness of Middle Line Strake	49 1/2 * .48	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	yes! ✓		Thickness of remainder in Holds	40 ✓	
DOUBLE BOTTOM.			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 ✓	
Floors, Depth and thickness at mid-line in Holds	✓		BEAMS.		
Height of Brackets at side above base line at toe of frame	✓		Uppermost Continuous Deck, amidships in Wells, Angle, E or [	7 3 .32 ✓	
Middle Line Keelson, on Floors, Angles, [or [	✓		" " in way of Bridge, Angle, [or [✓	
" " Through Plate or Intercoastal Plate	✓		Spacing	every frame ✓	
" " Foundation Plate on Floors	✓		Second Deck, amidships, Angle, E or [	8 3 .42 ✓	
" " Flat Plate Keel Angles	✓		Spacing	every frame ✓	
Middle Keelsons, No. each side	✓		Third Deck, amidships, Angle, [or [✓	
" " thickness of Intercoastal Plate	✓		Spacing	✓	
" " Angles	✓		Fourth Deck, amidships, Angle, [or [✓	
DOUBLE BOTTOM.			Spacing	✓	
Solid Floors, thickness and spacing	36 ex. 4 1/4 frame ✓		Poop Deck, Angle, [or [✓	
" " Are Frame and Reversed Frame joggled?	yes! ✓		Spacing	✓	
Bracket Floors, breadth and thickness at middle line	29" * .36 ✓		Bridge Deck, Angle, [or [✓	
" " breadth and thickness at margin plate	29" * .36 ✓		Spacing	✓	
			Forecastle Deck, Angle, E or [	7 3 .32 ✓	
			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.....	Two		✓	Stringer Plate, breadth and thickness in way of Bridge	✓		
„ in 'tween Decks, Size and Spacing.....	6" x 3 1/2" to 9" x 4 1/2"		✓	Thickness of Plating abreast Deck openings in way of Wells	✓		
„ „ „ „ „	✓		✓	Thickness of Plating abreast Deck openings in way of Bridge	30"	✓	
„ in Holds „ „	9 1/2" x 4 1/2" to 12 1/2" x 5 1/2"		✓	Thickness of Plating within line of openings...	30"	✓	
„ „ „ „ „	tubular, wid 3p.		✓	If Sheathed, material and thickness	2 1/2" pluc.	✓	
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	70 1/2"	44	✓	If Plated, state thickness	✓		
„ „ „ „ in way of Bridge	✓			Poop Deck.			
„ Angle in Wells	5	5	50	Stringer Plate, breadth and thickness	✓		
Thickness of Plating abreast Deck openings in way of Wells .....	.39		✓	Plating, Sheathing, material and thickness ...	✓		
Thickness of Plating abreast Deck openings in way of Bridge	✓			Bridge Deck.			
Thickness of Plating within line of openings...	.36		✓	Stringer Plate, breadth and thickness.....	✓		
If Sheathed, material and thickness	not sheathed.		✓	Plating, Sheathing, material and thickness ...	✓		
Second Deck.				Forecastle Deck.			
Stringer Plate, breadth and thickness in Wells...	73	34	✓	Stringer Plate, breadth and thickness.....	34	✓	
				Plating, Sheathing, material and thickness ...	32, not sheathed.	✓	

SHELL PLATING.

SCANTLINGS.					RIVETING.				
STRAKES.	AS IN VESSEL.				EDGES.		BUTTS.		
	AMIDSHIPS.		FORWARD.	AFT.	ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	State if jogged? <i>no</i>	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.			SINGLE OR DOUBLE.	NO. OF ROWS OF RIVETS.	
FLAT PLATE KEEL	48	.64	.58	.58			double ✓	7/8" 7 pairs	
„ DBLG. (if any)	✓						✓		
BOTTOM PLATING, No. of Strakes 2...	83	.52	.57	.52			double ✓	7/8" 7 pairs	
BILGE PLATING, No. of Strakes 2...	83	.52	.42	.52			„ ✓	7/8" 7 pairs	
SIDE PLATING, No. of Strakes 6...		.52	.42	.42			„ ✓	7/8" 7 pairs	
UPPER DECK, Sheer-strake in Wells	86	.64	.42	.47	86 x 63 6 .42		„ ✓	7/8" 7 pairs	
UPPER DECK, Sheer-strake in Bridge ...	✓						✓		
STRAKE BELOW Sheer-strake in Wells	86	.52	.42	.44			double ✓	7/8" 7 pairs	
STRAKE BELOW Sheer-strake in Bridge ...	✓						✓		
POOP SIDE PLATING	✓						✓		
BRIDGE SIDE PLATING ...	✓						✓		
FORECASTLE SIDE PLATING			.40				Single ✓	3/4" 3"	

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

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

Extending to Upper Deck (Sec. 3 c) *1*„ Deck next below *5*As per Rule *6*

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D , Upper tween decks	✓				
„ „ Second „	✓				
„ „ Third „	✓				
„ „ Holds	26" x 36" 9" x 3" x 40" 30"				
COLLISION „ (in Hold)	30" x 44" 8" x 3" x 44" 24"				
AFTER PEAK „ „	30" x 32" 6" x 3" x 30" 24"				

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	✓			
STEM	Built plate stem	.60"		
STERN FRAME { Propeller Post	✓	10 3/4"		
{ Rudder „	C.S.	1 1/2"	Strömmer & Verksted, Norway.	
Speed of Vessel		15 1/2 knots.		
RUDDER—Type		Ordinary. All welded.		
„ A x D				
„ Diam. of head		Forged 10 5/8"	Vitkovice.	
„ Mainpiece at top pintle		All welded		
„ „ heel ...		rudder.		
„ how constructed				
„ double or single plate		double .43"		
„ 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)

*Plates: Dorman, Long & Co. Ltd.**Profiles: Dorman, Long & Co. Ltd.*Has the Steel been tested as required by the Rules? *yes!*

EQUIPMENT No 29673 ✓											LETTER w. ✓	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.	Cwts.				
52068	1st Bower ...	53	1	21	✓			44	10	0	0	52 1/2 ✓	} "Britannic" } stockless	Richard Sykes & Son	6-12-38 Cradley Heath, S.C. Paul	
48240	2nd " ...	50	2	10	✓			42	15	1	7				"	4-7-35 S.C. Paul.
63723	3rd " ...	47	2	21	✓			40	17	3	7				Richard Sykes & Son	Tipton, 21-5-30, W.A. Drysdale.
	Collective weight.	151	2	24								149 1/2 ✓				
52205	Stream	14	1	0	✓	3	2	26	✓	15	16	3	14	Ordinary.	✓	Cradley Heath, 28-2-39, S.C. Paul.

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.	Diam.	Stam.	Break.	Supplied.	Per Rule.	Length.	Diam.	Length.	Diam.					Length.	Ins.		Length.	Ins.	
270	2 1/8	76 1/2	107 1/2	602.3.12	573 3/4	270	2 1/8	270	2 1/8	Shud liuk	Auker & Kettefabrik Schiedam	20-6-39-Schiedam P.J.N. Jiskoot ✓	TOWLINE	120	4 1/2	63	120	4 1/2	✓
													HAWSERS & WARPS	42 90	2 1/2	19	42 90	2 1/2	✓
													"	22 1/2	3	26			
													"	22 1/2	2 1/2	19			

ing Gear, Type (Power or hand) *Alt. electric T.B. Thrige. Odense.* Alternative Means of Steering *Hand - Worm gear.*

ing Chains (Size and Test) *✓* Windlass *Electric T.B. Thrige - Odense* Boats *22 27'0" x 8'3" x 3'5" 12 16' Norwegian Bram. 12 16' dinghy with motor. Holds and 'tw. decks insulated. (6'2" pine, 8" apart).*

g in Holds, thickness and material *Tanktop insulated.* Cargo Battens, thickness, material and spacing *✓*

Hatchways.-(Upper Deck) *steel coamings 32"x44"* Thickness of Hatches *Mac Gregor Pakus Steel Hatch covers.*

Hatchways No. 1 (Fwd.) *22'6" x 12'0"* No. 2 *24'9" x 16'0"* No. 3 *24'9" x 16'0"* No. 4 *24'9" x 16'0"* No. 5 *24'9" x 16'0"* No. 6 *✓*

of Shifting Beams *None!*

Builder's Signature

AKTIESELSKABET
NELSINGBØRS JERNSKIBS- OG MASKINBYGGERI

T. Røysen

AL 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 *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).

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

The material and workmanship is to my satisfaction.

All the double bottom, peak and deep tanks, weatherdecks, W.T. bulkheads, funnels, scuppers, air & sounding pipes have been tested in accordance with the Rules and found satisfactory.

The vessel is fitted for the carriage of oil fuel in the double bottom tanks and in deep tanks along funnels.

Flash point of oil fuel above 150° Fahr. - Section 20 of the Rules complied with when applicable.

All holds and 'tw. decks insulated for the carriage of refrigerated cargoes.

The rules for the application of electric arc welding to ship construction have been complied with when applicable.

The freeboards, assigned by the Danish Authorities, have been marked on the ship's sides, verified and cut in.

Amount of Entry Fee *kr. 133.40*

Fees applied for,
13. 10 19

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

Special Survey Fee. *kr. 4833.00*

Received by me,

I am of opinion the Vessel should be Classed *100. A. 1.* with freeboard.

Travelling Expenses, if any *kr. 279.00*

7/12/1939 *R.S.D.*

Whether the Vessel has been built under Special Survey *yes!*

Signature

H. D. Lyderen

Surveyor to Lloyd's Register of Shipping.

ate to be sent to Surveyors' office, Gen.

Date of issue *27/10/39.*

Committee's Minute

FRI. 27 OCT 1939

Character assigned

+ 100 A1

With freeboard

*Strengthened for navigation in ice
Baths of keel & shell plating welded
Lloyd's A.R.C.P. of E.S.D.*

Write by

*+ 100. 39 2021
Oil Eng. Co.*

Lloyd's Register
Foundation

012705-012710-027021/2

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.)

2
1/3 Aalborg Værft - Yard No 67 is a sister vessel to same Owners as M Indian Reefer.
not yet reported

PARTICULARS OF ELECTRIC WELDING (if employed) All bulks of keel, shell plating and margin plate. Rudder complete.
Inside and outside margin connections. Pillars top & bottom. Girders to beams. Steel hatch covers.
Vertical connection of main motor sealings.

For electrodes used - See page 2

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book Cruiser stern, D.F., E.S.D., Lloyd's A & C.P.,
Rudder electrically welded. Bulks of keel, shell plating and margin plate electrically welded. Ref. Mch.

Spaced dk in forward hold
Head.

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

1st Bower	32:0:5	J.F.R.	2847	8.10.37.
2nd "	30:2:26	K.H.	8495	27.8.30.
3rd "	28:3:24	A.B.	2711	3.4.30.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop ☒ ft., R.Q.D. ☒ ft., Bridge ☒ ft., Forecastle 52.5 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.Z.E.K.** Extreme Breadth over Belting ☒ Over-all Length 374.0' (Circ. 1703)
No. and Material of Decks 2 dks (stl). 3rd dk in forward holds sparred for fruit cargo.
Parts of Bottom of Vessel coated with cement or approved composition Oil fuel in double bottom tanks. Peak tanks cemented.

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.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft, 45	45	360	Fore peak tank,	21	50
Double bottom, under Engines and Boilers, 54	54	235	After peak tank, 23	23	126
Double bottom, if under Engines only, ✓	✓	✓	Deep tank, aft, 56.25	56.25	87
Double bottom, if under Boilers only, ✓	✓	✓	Deep tank, forward, 14.7	14.7	14.7
Double bottom, forward, 14.7	14.7	340	Other tanks, if fitted, ✓	✓	✓
Total length (if continuous) and Capacity 24.6	24.5	335	(If necessary, furnish further information by sketch.)		

Order for Special Survey No. 145.

Date 24th Dec. 1938.

Dates of Surveys held while building

1939. 18/3, 30/3, 3/4, 13/4, 19/4, 24/4, 28/4, 4/5, 16/5, 20/5, 25/5, 3/6, 6/6, 12/6, 17/6, 19/6, 23/6, 24/6, 28/6, 1/7, 6/7, 8/7, 12/7, 13/7, 17/7, 21/7, 22/7, 25/7, 27/7, 28/7, 1/8, 2/8, 8/8, 11/8, 14/8, 19/8, 22/8, 25/8, 28/8, 31/8, 2/9, 14/9, 19/9, 21/9, 23/9, 25/9, 28/9, 30/9, 2/10.

Lloyd's Register Foundation
Total No. of Visits 48