

State if Report is sent on the Machinery of the Vessel.....yes

Survey held at Leningrad. / Date First Survey 27th October 1927 Last Survey 5th December 1929

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

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Complete Superstructure without Tonnage Opening State Type of Erection R.G.D. Bridge & Fide

TONNAGE under } 2934.03 CLASS ☒ 100 A.1 State if with freeboard } yes Built at Leningrad.
Tonnage Deck... } as condition of Class } yes

Do. of space or spaces
between Tonnage Dk.
and Upper Dk. } Length from fore part of stem to after part of stern } L 331.5
post on summer L.W.L. See Ser. 3 (1a) }

Launched 14 July 1928 Yard No. 307

Builders Seelye & Shipbuilding Ltd

Total **Depth** (at middle of length from top of keel to top)

Gross Tonnage 3767.18

Register Tonnage 2164.39 1st Longitudinal Number (L x D)..... = 9183 Managers..... ✓
(Where necessary to be entered in Reg. Book.)

REGISTERED DIMENSIONS.
FEET.

Framing Depth "d," at middle of length. See } 16.6
Sec. 3 (1d)


Residence ☒

Length	332.51	Proportions—Depth to Length—Uppermost continuous deck to top of keel	12.0	Port of Registry	Leningrad
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Breadth	48.06	Do.	Long Bridge to top }	9.28	If surveyed while building, afloat, or in dry dock
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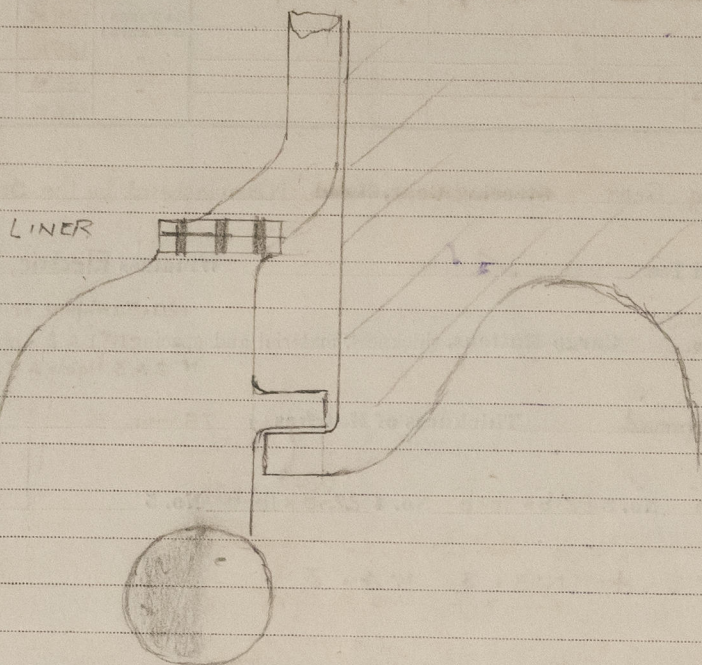
Depth 25.62 Draught Moulded 18'-8" Building & Afloat.

FRAMES, DOUBLE BOTTOM AND BEAMS.

	Frames IN SHIP. mms.	Any Departure from Approved Plans to be Noted.		Frames IN SHIP. mms.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	685		Bracket Floors, Frame	160 x 80 x 14	
" " from length to Collision bulkhead.....	Bmt. & Up T. dks. 684 Hold & L. T. dks. 456		" " Reversed Frame	160 x 80 x 12	
" " in peaks.....	aft peak 610 fore peak 456 to 2 ^d dk. 608	above 2 ^d deck.	" " Vertical Struts	240 x 85 x 9½ x 14	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	940 x 12	
Frame Amidships, Angle, [or]	200 x 75 x 8½ x 11½ 160 x 65 x 7½ x 11	aft & in Midgy space ford. of Midgy space.	" " top Angles	75 x 75 x 12	
" " Extends up to	2 ^d deck.		" " bottom Angles	100 x 100 x 14	
Reversed Frame Amidships, Angle	-		Side Girders, No. each side and thickness	one 9.	
" " Extends up to	-		Margin Plate depth (excl. of flange) and thickness	760 x 11	
Depth of Framing Girder	[6 x 4 160 x 80 x 12 L 160 x 80 x 12 L 150 x 75 x 12 L 160 x 80 x 14	altly to frame 14- fr. 14-20 fr. 22-116 fr. 118 to ford.	" " Vertical Angle to Tank side Bracket abaft ¼ len. from stem	90 x 90 x 10	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	abaft fr. 20, in way of Bridge & Ford of 118 ft spaced every frame, elsewhere alt frames		" " Vertical Angle to Tank side Bracket forward ¼ len. from stem	90 x 90 x 10 (double from fr. 124 - ford)	
" " Second 'tween Decks, Angle, [or]	Forward, as in hold.		" " Gussets, spacing and scantling abaft ¼ len. from stem	600 x 700 x 10 every 3 ^d frame.	
" " Third " " " "			" " Gussets, spacing and scantling forward ¼ len. from stem	600 x 700 x 10 every 2 ^d frame.	
Framing in Peaks, Angle [or]	with rev. 75 x 75 x 10 on alt. fr. in aft peak.		Tank Side Brackets, height above base line at toe of Frame and thickness)	fr. 124 - coll. bnd. continuous plate 580 x 10 1420 x 10	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	22 & 19 mm. or 7 diam		INNER BOTTOM PLATING.		
State if Frame Joggled	no		Breadth and thickness of Middle Line Strake ...	1500 x 11	
PLATING ARRANGEMENTS (Sec. 7), state E STRENGTHENING system and particulars)	Fr. 124 to Coll. bnd. L 160 x 80 x 12 with rev. L 75 x 75 x 10 spaced 456 mm. & side stringer as approved.		Thickness of remainder in Holds	10 - 8½	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	Double frames & increased riveting as approved.		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. space B. space and framing in Bulkheads and Boiler room?)	yes.	
ANGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships)	160 x 65 x 7½ x 11 140 x 60 x 7 x 10½	half beams.
Height of Brackets at side above base line at toe of frame			" " " in way of Bridge, Angle, [or]	do.	
Middle Line Keelson, on Floors, Angles, [or]			Spacing	every frame.	
" " " Through Plate or Intercostal Plate ...)			Second Deck, amidships, Angle, [or]	200 x 75 x 8½ x 12½ 160 x 65 x 7½ x 11	half beams.
" " " Foundation Plate on Floors			Spacing	every frame (& 912 mm. ford. of fr. 124)	
" " " Flat Plate Keel Angles		in Forward holds	Third Deck, amidships, Angle, [or]	240 x 85 x 9½ x 14 200 x 75 x 8½ x 12½ 160 x 65 x 7½ x 11	alt of No 2 Hatch between Nos 1 & 2 hatches half beams, & Ford of No 1 hatch.
Keel Keelsons, No. each side			Spacing	every frame. (& 912 mm. ford. of fr. 124)	
" " thickness of Intercostal Plate...			Fourth Deck, amidships, Angle, [or]	-	
" " Angles			Spacing	-	
DOUBLE BOTTOM.			Poop Deck, Angle, [or]	-	
Solid Floors, thickness and spacing	9, spaced every fr. under Midgy & Ford of 3/5 L. elsewhere every 3 ^d frame.		Spacing	-	
" " Are Frame and Reversed Frame joggled ?	no		Bridge Deck, Angle, [or]	160 x 65 x 7½ x 11	
Bracket Floors, breadth and thickness at middle line.....	710 x 9.		Spacing	alternate frames	
" " breadth and thickness at margin plate.....	710 x 9.		Forecastle Deck, Angle, [or]	140 x 60 x 7 x 10½	
			Spacing	every frame.	

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 Rudder of this vessel (balanced type) was fitted afloat. On fitting rudder stock a tapered packing piece had to be inserted between couplings of rudder & stock to bring the latter into correct alignment. On trial the rudder was found to work satisfactory, but it is submitted that the Rudder Pinle & the coupling bolts should be specially examined when vessel is next in dry dock.



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

1st Bower 1835 Kgm. W.E.L. N° 27 24.8.27.
2nd „ 1535 „ A.E.S. N° 64 5.3.29.
3rd „ 1640 „ W.E.L. N° 41 28.3.28.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.Q.D. 36.7 ft., Bridge 99.5 ft., Forecastle 41.2 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated no

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 2 decks (steel - weather dk. W.S.), 3rd deck in forward holds.

Official No. ☒ ; Signal Letters ☒ Is bottom of Vessel coated with cement ☐ if not give particulars of composition Bilges cemented, Inside of double bottom cement fillets at butts & seams of bottom plating.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	89.9	165	Fore peak tank,		38
Double bottom, under Engines and Boilers,			After peak tank,		50
Double bottom, if under Engines only ,	44.9	132	Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		
Double bottom, forward,	125.8	244	Other tanks, if fitted,		
	Total capacity of double bottom	541	(If necessary, furnish further information by sketch.)		

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

Order for Special Survey No. _____

Date March 1926

Dates of Surveys held while building

1927— Oct 27, Nov. 10, 22, Dec. 6, 8, 20.
1928— Jan. 10, 12, 31, Feb. 9, 16, 21, Mar. 6, 15, 20, 22, 27, 29, May 8, 17, June 12, 14, 21, 25, 28, 30, July 2, 5, 7, 9, 10, 12, 14, Oct. 18, 23, 25, Nov. 1, 13, 20, 22, 24, Dec 4.
1929— Jan 8, Feb 5, Mar 5, Apr 2, 23, July 18, 30, Sep 19, Oct 18, 24, Nov. 2, 14, 16, 19, 21, 23, 26, 28, 29, Dec 3, 5.

Total No. of Visits 63