

STEEL STEAMER or MOTORSHIP.

-5 APR 1935

Received at London Office

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

*April 3rd 1935*Port of *Sunderland.*No. *31608*

Survey held at

Sunderland

Date First Survey

20 Sep. 1934

Last Survey

2nd April 1935.

On the

(State of Machinery fitted Aft and
if Single, Twin or Triple Screw)*Single Screw M.V. "KINROSS"*

State Type

(Full Scantling, Complete Superstructure
with or without Tonnage Openings)*Complete Superstructure with Tonnage Opening*

State Type of Erections

C.S.S.

TONNAGE under

*4579.62.*CLASS *+100A1*State if with freeboard
as condition of Class*Yes.*Built at *Sunderland.*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 411.50.*Launched *February 2nd 1935* Yard No. *613.*

Total

Breadth (greatest moulded)

*B 53.96*Builders *Messrs W. Doxford & Sons Ltd.*

Gross Tonnage

*4956.33.*Depth, at middle of length from top of keel to top
of beam at side of uppermost continuous
deck. See Sec. 3 (1e)*D 37.17*Owners *Messrs B. J. Sutherland & Co. Ltd.*

Register Tonnage

3043.15.

1st Longitudinal Number (L x D)

= 15089.7.

Managers

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

REGISTERED DIMENSIONS.
FEET.

Length

*412.20*Framing Depth "d," at middle of length. See
Sec. 3 (1d)*25.06.*Residence *Newcastle-on-Tyne.*

Breadth

*54.25*Proportions—Depth to Length—Uppermost con-
tinuous deck to top of keel*11.07.*Port of Registry *Newcastle.*

Depth

26.10.

Draught Moulded

*25.37*If surveyed while building, *yes* in dry dock*yes.*

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	<i>31½.</i>		Bracket Floors, Frame <i>B.A.N.B.S.</i>	<i>6 3½ .36</i>	
" " from ½ length to Collision bulkhead	<i>27.</i>		" " Reversed Frame	<i>7 3 .38</i>	
" " in peaks	<i>24.</i>		" " Vertical Struts	<i>Ch. 10x3½x3½x42.</i>	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	<i>43½x56.</i>	
Frame Amidships, Angle <i>E</i> or <i>C</i> <i>N.B.S.</i>	<i>13½ 4 .49</i>		" " top Angles	<i>3½ 3½ .54</i>	
" " Extends up to	<i>2nd deck.</i>		" " bottom Angles	<i>4 4 .62</i>	
Reversed Frame Amidships, Angle	<i>✓</i>		Side Girders, No. each side and thickness	<i>One .42.</i>	
" " Extends up to	<i>✓</i>		Margin Plate depth (excl. of flange) and thickness	<i>40"x54</i>	
Depth of Framing Girder	<i>13½</i>		" " Vertical Angle to Tank side Bracket abaft ½ len. from stem	<i>6 6 .44</i>	
Frames in Uppermost Continuous 'tween Decks, Angle <i>E</i> or <i>C</i> <i>N.B.S.</i>	<i>6 3½ .35</i>	<i>scantling</i>	" " Vertical Angle to Tank side Bracket forward ½ len. from stem	<i>6 6 .44</i>	<i>double</i>
" " Second 'tween Decks, Angle <i>E</i> or <i>C</i>	<i>✓</i>		" " Gussets, spacing and scantling abaft ½ len. from stem	<i>42 plate</i>	
" " Third " " " "	<i>✓</i>		" " Gussets, spacing and scantling forward ½ len. from stem	<i>42 plate</i>	
Framing in Peaks, Angle <i>E</i> or <i>C</i> <i>N.B.S.</i>	<i>8 3½ .38</i>		Tank Side Brackets, height above base line at toe of Frame and thickness	<i>69½x49.</i>	
Diameter and Spacing of Rivets through Frame and Shell Plating amid- ships	<i>7/8 - 5 3/4</i>		INNER BOTTOM PLATING.		
State if Frame Joggled	<i>Yes.</i>		Breadth and thickness of Middle Line Strake	<i>72x50</i>	
ANCHORING ARRANGEMENTS (Sec. 7), state system and particulars	<i>In Peak 4 Struts 35x34. Beams 4x34x44 B.S. In Hold 5 side shell increased 25" 10x4 4x6 10x31x56 B.S. Frames 17x4x4x6 B.S. 4 girders each side Frame Bottom 6x6x44. Bottom shell 6x6 from ½ L to coll. bulkhead</i>		Thickness of remainder in Holds	<i>.44</i>	
STRENGTHENING OF BOTTOM FOR- WARD. State Particulars			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?	<i>Yes.</i>	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	<i>✓</i>		Uppermost Continuous Deck, amidships	<i>7 3½ .43</i>	
Height of Brackets at side above base line at toe of frame	<i>✓</i>		" " in way of Bridge, Angle <i>E</i> or <i>C</i>	<i>-</i>	
Middle Line Keelson, on Floors, Angles, <i>E</i> or <i>C</i>	<i>✓</i>		Spacing	<i>Every</i>	
" " Through Plate or Intercostal Plate	<i>✓</i>		Second Deck, amidships, Angle <i>E</i> or <i>C</i>	<i>8 3 .38</i>	
" " Foundation Plate on Floors	<i>✓</i>		Spacing	<i>Every.</i>	
" " Flat Plate Keel Angles	<i>✓</i>		Third Deck, amidships, Angle <i>E</i> or <i>C</i>	<i>-</i>	
Side Keelsons, No. each side	<i>✓</i>		Spacing	<i>✓</i>	
" " thickness of Intercostal Plate	<i>✓</i>		Fourth Deck, amidships, Angle <i>E</i> or <i>C</i>	<i>✓</i>	
" " Angles	<i>✓</i>		Spacing	<i>✓</i>	
DOUBLE BOTTOM.			Poop Deck, Angle <i>E</i> or <i>C</i>	<i>✓</i>	
Solid Floors, thickness and spacing	<i>.42. Every 3</i>		Spacing	<i>✓</i>	
" " Are Frame and Reversed Frame joggled?	<i>Yes</i>		Bridge Deck, Angle <i>E</i> or <i>C</i>	<i>✓</i>	
Bracket Floors, breadth and thickness at middle line	<i>32½ x .42</i>		Spacing	<i>✓</i>	
" " breadth and thickness at margin plate	<i>32½ x .42.</i>		Forecastle Deck, Angle <i>E</i> or <i>C</i>	<i>✓</i>	
			Spacing	<i>✓</i>	

W1197-0150 1/2

© 2020

Lloyd's Register
Foundation

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.....	One		Stringer Plate, breadth and thickness in way of Bridge	✓	
„ in 'tween Decks, Size and Spacing.....	5 5 .44 alternate	✓	Thickness of Plating abreast Deck openings in way of Wells26	✓
„ „ „ „ „			Thickness of Plating abreast Deck openings in way of Bridge	✓	
„ in Holds „ „	✓		Thickness of Plating within line of openings...	.34	✓
„ „ „ „ „	✓		If Sheathed, material and thickness	✓	
Centre Line Bulkhead.			Third Deck.		
Stiffeners and Spacing.....	9x3 1/2 x 54 B. 9 ft 6 x 3 x 34 B. 9 ft every	✓	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	68 x 59.	✓	If Plated, state thickness	✓	
„ „ „ „ in way of Bridge	✓		Poop Deck.		
„ Angle in Wells	6 6 .58	✓	Stringer Plate, breadth and thickness	✓	
Thickness of Plating abreast Deck openings in way of Wells54	✓	Plating, Sheathing, material and thickness ...	✓	
Thickness of Plating abreast Deck openings in way of Bridge	✓		Bridge Deck.		
Thickness of Plating within line of openings...	.38	✓	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" x 40.	✓	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. <i>no</i>		BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		State if Joggled?	RIVETS.	No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.					Diam.	Spacing cr. to cr.	
FLAT PLATE KEEL	52	.78	.68	.68	✓	Double	1 4	4	.1	4	Lapped
„ DBLG. (if any)	✓	✓	✓	✓		✓					
BOTTOM PLATING, No. of Strakes	4	.60	.50	.50	✓	Double	7/8 3 1/2	3	7/8 3 1/2	Lapped	
BILGE PLATING, No. of Strakes	1	.60	.50	.50	✓	do	7/8 3 1/2	3	7/8 3 1/2	do	
SIDE PLATING, No. of Strakes	4	.60	.46	.46	✓	do	7/8 3 1/2	3	7/8 3 1/2	do	
UPPER DECK, Sheer-strake in Wells	90	.66	.46	.46	✓	do	7/8 3 1/2	4	7/8 3 1/2	do	
UPPER DECK, Sheer-strake in Bridge ...	✓					✓					
STRAKE BELOW Sheer-strake in Wells	75	.60	.46	.46	✓	Double	7/8 3 1/2	3	7/8 3 1/2	Lapped	
STRAKE BELOW Sheer-strake in Bridge ...	✓					✓					
POOP SIDE PLATING	✓					✓					
BRIDGE SIDE PLATING ...	✓					✓					
FORECASTLE SIDE PLATING	✓					✓					

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—					
Extending to Upper Deck (Sec. 3 c)	1.				
„ Deck next below	6.				
As per Rule	7.				
	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKHEAD, Upper tween decks	✓				
„ „ Second „	✓				
„ „ Third „	✓				
„ „ Holds	39-30 12x3 1/2 x 3 1/2 50	24"	4 inder 39 x 24	One	
COLLISION „ (in Hold)	54-26 10x3 1/2 x 4 1/2 13 9.	24"	Cham. rocker	✓	
AFTER PEAK „ „	42-30 8x3 x 39 B. 9	24"	semi box beam 1.8 ft	✓	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	✓			
STEM		9 1/2 x 2 1/2		
STERN FRAME { Propeller Post	Cast	18 1/2 x 12	Stamman	✓
{ Rudder „	Steel	9 x 8	Verstet	✓
RUDDER—A x D		4 1/2 x 7 1/2		
Speed of Vessel		10 3/4 knots		
RUDDER mainpiece at head ...	Cast	10 x 8 1/4	Stamman	✓
„ „ heel ...	Steel	10 x 5.	Verstet	✓
„ how constructed		Armed punch		
„ double or single plate		double .38		
„ 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) <i>South Durham, Dorman Long, Cargo Fleet, Consell, Stannington Iron Co.</i>
	Has the Steel been tested as required by the Rules? <i>Yes.</i>

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.)

amended framing struts, welding on rudder, welding of stringers, gusset connections, scheme of riveting.

Copies of these plans are in the London Office and the above are retained for sister ship building.

The following forging certificates are enclosed:—rudder stock, rudder frame, stemframes tiller (4)

Plans as built of midship section and profile and decks are enclosed.

Sister vessel. M. V. "Sutherland" Messrs Dorlands No 612. Sea Rpt No: 31573.

Damage stated to have been caused through vessel striking the Alexandra Bridge Sunderland after launching on February 2nd 1935.

Now done:—Vessel placed in drydock, shell plating and No. 1 hold examined.

Repair now done: Shell plating forward, port side, F 18 and G 18 (from aft) renewed.

One main frame in way renewed. Cement made good.

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

1st Bower
2nd "
3rd "

Including pin
42-0-21. J.D. 255. 6.11.34
42-1-0 J.D. 253. 30.10.34.
38-1-21. J.D. 171. 11.8.34.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.Q.D. — ft., Bridge — ft., Forecastle — 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) 1 DK: (STL) 4 SHELTER DK: (STL)

Official No. 161578 : Signal Letters

Is bottom of Vessel coated with cement if not give

particulars of composition cement in way of water ballast and in peaks.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length.	Water Capacity.	Where Fitted.	*Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	183	334	Fore peak tank,	✓	✓
Double bottom, under Engines and Boilers, machinery	81	118	After peak tank,	14	191
Double bottom, if under Engines only,	✓	✓	Deep tank, at , amidships	41	1,236
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward,	✓	✓
Double bottom, forward,	192	722	Other tanks, if fitted,	✓	✓
Total capacity of double bottom		1,174	(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. 5777

Date 20.9.34

Dates of Surveys held while building

1934. Sep. 20, 28. Oct. 1, 5, 8, 10, 11, 12, 14, 22, 24, 29, 30. Nov. 1, 5, 7, 9, 11, 15, 19, 20, 22, 23, 30. Dec. 3, 4, 6, 7, 10, 11, 14, 18, 20, 22, 28, 31. 1935. Jan. 3, 4, 7, 8, 9, 11, 14, 15, 17, 21, 24, 28, 30. Feb. 1, 2, 4, 6, 8, 12, 15, 19, 21, 26. Mar. 1, 4, 5, 7, 11, 13, 15, 20, 21, 22. Apr. 2.

Total No. of Visits 70