

STEEL STEAMER OR MOTORSHIP

128 JAN 1958

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 25th January, 1958

Port of M A L M Ö

Survey held at M A L M Ö

Date First Survey 29th January, 1957

Last Survey 1958.

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) M/T "SOUTHERN CLIPPER"

Machinery Aft

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Full Scantling

State Type of Erections Poop, Bridge and Forecastle.

TONNAGE under Deck ...

Space or spaces Tonnage Dk. Upper Dk.

Tonnage 13,069

Tonnage 7,584

REGISTERED DIMENSIONS. FEET

CLASS 100A1 Carrying Petr. in Bulk.

State if with freeboard as condition of Class

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) L 525.66'

Breadth (greatest moulded) B 71.79'

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 40.1' (Actual)

1st Longitudinal Number (L x D) =

2nd Numeral L x (B + D) =

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

Proportions—Depth to Length—Uppermost continuous deck to top of keel 13.10

Do. Long Bridge to top of keel =

Draught Moulded 30'-10 1/2"

Rise of floor 1"

Built at M A L M Ö

Launched 7th October, 1957 Yard No. 394

Builders Kockums Mek. Verkstads AB

Owners Rederi AB Clipper

Managers E. Hansen (Where necessary to be entered in Reg. Book)

Residence Malmö

Port of Registry Malmö

If surveyed while building, afloat, AND in dry dock

Yes - Docking date 14/1 1958.

FRAMES, DOUBLE BOTTOM AND BEAMS.

	M.M. and INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		M.M. and INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
MES, Spacing amidships in Machinery space aft. from length amidships to Collision bulkhead	820	✓	Bracket Floors, Frame		
" " in peaks	610	✓	" " Reversed Frame		
FRAMING.			" " Vertical Struts (in Cargo tanks)		
Frame Amidships, Angle, [or [See	Centre Girder, depth and thickness amidships	2600x .56	✓
" " Extends up to		Report	" " top Angles Face Bar	320x30 mm	✓
Reversed Frame Amidships, Angle			" " bottom Angles	Welded direct.	✓
" " Extends up to			Side Girders, No. each side and thickness	2 off .50" thick	✓
Depth of Framing Girder		1+	Margin Plate depth (excl. of flange) and thickness		
Frames in Uppermost Continuous 'tween Decks, Angle, [or [" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem		
" " Second 'tween Decks, Angle, [or [" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area		
" " Third " " " "			" " Gussets, spacing and scantling abaft 1/4 len. from stem		
" " from 1/2 len. for'd. to 15% len. from Stem			" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area		
" " in Peaks, Angle or [Tank Side Brackets, height above base line at toe of Frame and thickness		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships		As per Approved Plans.	INNER BOTTOM PLATING. (Machinery Space aft).		
State if Frame Joggled	No.		Breadth and thickness of Middle Line Strake	Plating 1.31; 1.30; .57 thick.	✓
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?			Thickness of remainder in Holds		
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?			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	As approved.
DOUBLE BOTTOM.			BEAMS.		
Booms, Depth and thickness at mid-line in Holds			Uppermost Continuous Deck, amidships in Wells, Angle, [or [
Height of Brackets at side above base line at toe of frame			" " in way of Bridge, Angle, [or [
Middle Line Keelson, on Floors, Angles, [or [Spacing	Longitudinal	
" " Through Plate or Inter-costal Plate			Second Deck, amidships, Angle, [or [
" " Foundation Plate on Floors			Spacing	Framing	
" " Flat Plate Keel Angles			Third Deck, amidships, Angle, [or [
Side Keelsons, No. each side			Spacing	See report 1+	
" " thickness of Inter-costal Plate			Fourth Deck, amidships, Angle, [or [
" " Angles			Spacing		
DOUBLE BOTTOM. (In Mch. Space aft).			Poop Deck, Angle, [or [
Solid Floors, thickness and spacing	.46; .53; .60	and As Approved.	Spacing		
" " Are Frame and Reversed Frame joggled?			Bridge Deck, Angle, [or [
Bracket Floors, breadth and thickness at middle line		Spacing every frame. Welded top and bottom	Spacing		
" " breadth and thickness at margin plate			Forecastle Deck, Angle, [or [
			Spacing		

DISCLOSED SECTION No.

012585-012585-0014 1/3

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 <u>2</u> off Corrugated Bulkheads as approved.				✓	Stringer Plate, breadth and thickness in way of Bridge			-	
" in Lower Decks, Size and Spacing					Thickness of Plating abreast Deck openings in way of Wells			-	
" " " " "					Thickness of Plating abreast Deck openings in way of Bridge			-	
" in Holds " " "					Thickness of Plating within line of openings			-	
" " " " "					If Sheathed, material and thickness			-	
Centre Line Bulkhead. Stiffeners and Spacing (In deep Tank fwd.)				Corrugated Plating	Third Deck. Stringer Plate, breadth and thickness			-	
Plating, thickness of				.30" - .49" As approved.	If Plated, state thickness			-	
STRINGERS AND DECKS. Uppermost Continuous Deck.					Fourth Deck. Stringer Plate, breadth and thickness			-	
Stringer Plate, breadth and thickness in Wells			.85"	✓	If Plated, state thickness			-	
" " " " in way of Bridge			1.00	✓	Poop Deck. Stringer Plate, breadth and thickness			-	
" Angle in Wells			Rounded Sheer Strake	✓	Plating, Sheathing, material and thickness			Plating Exposed .34" inside House	
Thickness of Plating abreast Deck openings in way of Wells			.85; & .93	✓	Bridge Deck. Stringer Plate, breadth and thickness			Plating .31" in House .34" Exposed	
Thickness of Plating abreast Deck openings in way of Bridge			-		Plating, Sheathing, material and thickness			50 mm Composition in House	
Thickness of Plating within line of openings			.85; & .93	✓	Forecastle Deck. Stringer Plate, breadth and thickness			Plating .34; .64	✓
If Sheathed, material and thickness			-		Plating, Sheathing, material and thickness			4" Wood Bed under Windlass.	✓
Second Deck. Stringer Plate, breadth and thickness in Wells			-						

SHELL PLATING.

SCANTLINGS.					RIVETING.				
STRAKES.	AS IN VESSEL.			ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.		BUTTS.		
	AMIDSHIPS.		FORWARD.		SINGLE OR DOUBLE.	RIVETS.	No. OF ROWS OF RIVETS.	RIVETS.	
	Breadth.	Thickness.	Thickness.					Diam.	Spacing cr. to cr.
Flat Plate Keel	2046	1.08	1.08	1.08					
" Dblg. (if any)									
Bottom Plating, No. of Strakes		.82	A .80/B .80/C .80	.80					
Bilge Plating, No. of Strakes		.82	D .60	.80					
Side Plating, No. of Strakes		.70	E .64/F .70/G .70/H .70	.51/.51/.58					
Upper Deck, Sheer-strake in Wells		1.07	.58; .70	.58					
Upper Deck, Sheer-strake in Bridge		1.27							
Strake below Sheer-strake in Wells									
Strake below Sheer-strake in Bridge									
Poop Side Plating		.46	and As approved.	✓					
Bridge Side Plating		.46		✓					
Forecastle Side Plating			.46 and As approved.	✓					

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—		14	✓			
Extending to Upper Deck (Sec. 3 c)_____		—				
„ Deck next below_____		—				
As per Rule_____		—				
		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper Deck	} Second	Vertical Corrugated Bulkhead Plating			4 Stringers	
		.48; .50; .52 thick.	✓	As Approved.		
		225 x 90 x 11	T	and Vert. Webs	✓	
		As Approved.				
		Holds				
COLLISION	(in Hold) No. 95	31 to 130x75x8	T	As	Stringers Tank	
		62 225x90x12	T		and Deck.	
		36 to 130x75x10	T	Appr.	130x75x9 T; B	
AFTER PEAK	No. 9	52; 70 150x75x9	T		Flat and Deck	
		and as appr.				

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Dep. from App. Plans to be Noted.
KEEL, Bar	Flat Keel Plate			
STEM	Plate Stem as Approved.			
STERN FRAME	Propeller Post	Mild Steel Fabricated	Stal	
	Rudder	Manufact. by	AB Landsverk	
Speed of Vessel	15.1/4 Knots.	✓	Landskrona	
RUDDER—Type	X Balanced.	Simple	✓	
" A x D. x. 100	1447	✓		
" Diam. of head	X Forged	315 mm	✓	
" Mainpiece at top	pin bearing	325 mm	✓	
" " heel	U	315 mm	✓	
" how constructed		Fabricated	✓	
" double or single plate coupling, vertical or horizontal		Double plate 13 & 16	✓	
"		Horizontal	✓	
"		Open Hearth	✓	

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)

South Durham Steel & Iron Co.; Appleby Frodingham Steel Co.; Domnarfjets Jernverk; Dorman Long & Co.

Det Danske Staalvalsevaerk A/S; Dortmund Hördor Hüttenunion; Phoenix Rheinstahl A.G.

Has the Steel been tested as required by the Rules? Yes

Messrs. Kockums Mek. Verkstads AB, Malmö, Yard No. 394, "SOUTHERN CLIPPER"

PARTICULARS OF LONGITUDINAL FRAMING

FRAMING	AMIDSHIPS		ENDS		Any Departure from Approved Plans to be Noted.	RIVETING			
	In Ship.	Aft. Fr. 29. In Ship.	Forwd. Fr. 83	Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads. Inches.	Rivets in Brackets to Bulkheads		
				Diam. Ins.			Speng. Ins.	Number.	Diameter. Inches.
L, L or C	m/m	m/m	Pool	Pool					
Bridge 'tween Decks ...	200x90x11	I / 150x90x9.5	✓	150x75x9	✓				
om Uppermost Continuous No. 1	200x90x11	I / 170x90x10	✓	170x90x10	✓				
" 2	Ditto	Ditto	✓	Ditto	✓				
" 3	Ditto	Second Dk.	✓	Ditto	✓				
" 4	290x11 - 100x12	200x90x9.5	2 / ✓	Ditto	✓				
" 5	250x90x12	200x90x10	✓	170x90x11	✓				
" 6	250x90x14	225x90x10	✓	200x90x10	1 / ✓				
" 7	250x90x16	250x90x10	✓	225x90x10	✓				
" 8	290x11 - 150x12	250x90x11	✓	250x90x10	✓				
" 9	250x11 - 150x14	250x90x13	✓	250x90x11	✓				
" 10	250x11 - 150x16	250x90x14.5	✓	250x90x12	✓				
" 11	290x11 - 170x14	250x90x16	✓	250x90x13.5	✓				
" 12	270x11 - 170x13	250x11 - 150x12	✓	250x90x15	✓				
" 13	290x11 - 170x16	250x11 - 150x13	✓	-					
" 14	320x11 - 170x16		✓	250x90x16 (Nos. 14, 19-24).	✓				
" 15	to 24								
" 16	384x13 - 160x16	✓							
g of Amidships	877; 865 and								
ndinal At Ends	As Approved.	✓							
Tank Top Longitudinals									
Bottom	Transversely framed								
ongitudinals (Amidships	in Machinery space.	✓							
(At ends...	Double Bottom.								
Transverses.									
Depth and Thickness									
Face Angles									
Lugs to Shell*	At Shell	At Bulkhead							
Depth and Thickness	915-1115 mmx.46	915x1115 mmx.42	✓						
Face Angles	150x13 F.B.	150x13 F.B.	✓						
Lugs to Shell*	Welded	Welded	✓						
At Wing Tanks	At Cr. Tanks								
Depth and Thickness	1200x.46	1200x.50	✓						
Face Angles	150x13 F.B.	235x12 F.B.	✓						
Lugs to Shell*	Welded	Welded	✓						
" " Back Bars	-	-							
Brackets	-	.50" thk.	✓						
of Transverse Frames...	2990 mm	2990	✓						
ate if joggled or liners.									
Bridge Deck	6 x 3x43	I	✓	Spacing.	As Appr.	✓	Plate.	Face Angles.	Any departure from Approved Plans to be Noted.
Upper "	225x90x11.5	I	✓	865 mm	✓		12"x.40 150x12		
Second "	6 x 3 x.43	I	✓	As Appr.	✓		880x.42 150x13		
Third "	170x90x11	MM	✓	As Appr.	✓		900x.44 280x12.5		
Fo'cle	6 3/4" x .50	I	✓				305x.40 150x12		
							330x.34 130x12		

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.

EQUIPMENT No. 61050

LETTER i+

ANCHORS.

Anchor.	Weight, Ex. Stock.	Weight, Ex. Stock.	Test, per Certificate.	Weight Required by Table 53.	Description of Anchor.	Makers.	Where and when tested, and Superintendent.
1st Bower	5245	5245	69895	5020 Kg	Stockless	Dortmund	Dortmund 7.5.57.
2nd "	5221	5221	"		Cast Steel	Hörder	H. Dellwig.
3rd "	5179	5179	69155		Anchors	Hüttenunion	
Collective weight						A.G.	
Stream							

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.	Statu-tory.	Break-ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Ins.		Length.	Ins.
605.2	2 7/16"	212852	Kg	52607	Kgs	605	2 7/16"	Spec. Steel	Ramnäs Bruks AB	Sk. 11.3.57 L. Ljunge	6/24	130	6 1/2	120	130	6 1/2
		152044	Kg	52607	Kgs			Stud Link				5	3	29.2	110	3
								Cable								

ing Gear, Type (Power or hand) Electric Hydraulic by Hastie & Co. Ltd. Alternative Means of Steering 2 Independent Pumps and 4 off Alum. Motors

ing Chains (Size and Test) Windlass Steam by Helsingborgs Varfs AB. Boats 7.30x2.42x.98 m. (2 motor)

in Holds, thickness and material Cargo Battens, thickness, material and spacing

atchways.—(Upper Deck) Steel plates strongly constructed, As Approved Thickness of Hatches Steel Cargo tanks — 12 mm

atchways No. 1 (Fwd.) 1180 x 670 mm No. 2 3415x5190 mm No. 3 — No. 4 — No. 5 — No. 6 —

of Shifting Beams } 1 off at forward dry Cargo hold hatch. — Upper deck.

KOCKUMS
MEKANISKA VERKSTÄDS AKTIEBOLAG

Builder's Signature

G. Lundegqvist

G. Lundegqvist

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 Motorship.

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

has been built under Special Survey in conformity with the Society's Rules and Regulations and Secretary's

The scantlings and arrangements of the ship are as given in the report and as shown and amended on the

plans now forwarded. All modifications or additions to the original approved arrangements made during

tion have been indicated on the plans and have been approved as being in accordance with or by standards

nt to the Rule Requirements. The plans of Midship Section and Profile and decks showing the ship as built,

checked with the approved arrangements and found in order. The material and workmanship are good. All cargo

, cofferdams, oil fuel bunkers and daily oil tanks, deep tank forward, all compartments in double bottom

achinery space, peak tanks and fresh water tanks aft have been tested by water pressure as required by Rules.

and watertight bulkheads clear of tank and cofferdams have been hose tested. The freeboard markings have

fied and cut in on the vessel's sides. The steering gear and windlass have been tested under working conditions

satisfactory results.

ing coils, where fitted, have been satisfactorily pressure tested.

Freeboard
Amount of Entry Fee.....Kr.£ : 990:-
Special Survey Fee.....Kr.£ 37.999:-
Travelling Expenses, if anyKr.£ : 12:-

Fees applied for,
27/1 1958.
Received by me,
19

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

I am of opinion the Vessel should be Classed *100A1 Carrying Petr. in Bulk.

whether the Vessel has been built under Special Survey Yes

Signature H. Little
Surveyor to Lloyd's Register of Shipping.

icate to be sent to Lloyd's Register, Malmö Date of issue 13/3/58

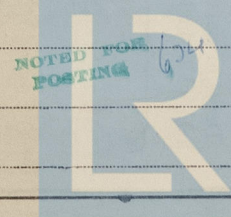
ommittee's Minute TUESDAY 4 MAR 1958

character assigned +100A1 Carrying Petroleum in Bulk.

DS 1.58

+LMC

ES
DBS
TS CL } 1.58



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Lloyd's Register
Foundation

0014 3/3

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.)

This Vessel is a sister Vessel to "HELFRID BILLNER" Malmö Report No. 3568.

The following ^{APPROVED} plans now forwarded:—

- 1 Midship Section (and as fitted).
 - 2 Profile and decks (— " —).
 - 3 Gastight hatch to dry cargo hold.
 - 4 Deckhouses.
 - 5 Rudder. 6. Rudder Stock.
 - 7 Sternframe.
 - 8 Fore end sections and deep tank.
 - 9 Butterworth openings in upper deck.
 - 10 Discharge from Midship accommodation.
 - 11 Scuttle between Pump Room and Machinery Space.
 - 12 Longitudinal No. 4 and 8 collars.
 - 13 O.T. Hatches.
 - 14 Oil fuel bunker and Pump Room.
 - 15 Arrangement of Longitudinals in Crossbunker and in Shell forward and aft.
 - 16 Shell Expansion.
 - 17 Fore Peak. — 18. After Peak.
 - 19 Webs in cargo tanks forward and aft and longitudinal Bulkhead forward.
 - 20 Centre girder, Bulkheads, Stringers and webs.
 - 21 After end Sections and Boiler Seats.
 - 22 Double bottom.
 - 23 Cofferdam and Acc. Bulkheads in Bridge.
- Certificates for Stern Frame, Rudder, Rudder St
Rudder Mainpiece.
- Special Quality Steel Employed:—
- P.403 Upper deck plating frs. 21-74.
Bottom Shell plating for .5L Amidships.
Keel Plating throughout.
- XNT (H.S.B 40 A).
Bilge Strake for .5L Amidships.
Rounded Sheer Strake frs. 31-77.
Upper dk. Stringer plate at Breaks of
Poop, Bridge and Forecastle.
Poop side plating at Break of Poop.
Forecastle side plating at Break of For
- Please see also Shell Expansion and Deck Plans.
Mill Sheets for the above forwarded herewith.

PARTICULARS OF ELECTRIC WELDING (if employed) This Vessel is entirely electrically welded except for a few minor riveted items.

Approved Electrodes Employed.

AP + 305 m/m
525-8 - 160223

21.882
71-92
12.217
46-15

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

Carrying Petr. in Bulk; Longitudinal Framing; Electrically welded;

Lloyd's A & CP.; Machinery Aft; Oil Eng.

E.S.D; Gy.C., Radar; D.F.

RADAR Equipment (State if fitted) Yes

State Type or Pattern No. Decca Display

State } Maker
Name } and/or
of } Supplier

Unit Type No. 4209

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

1st Bower	3380 Kg	/	H.D.	No. 5774	20.3.57.
2nd "	3370 "	/	H.D.	No. 5773	20.3.57.
3rd "	3327 "	/	H.D.	No. 5772	20.3.57.

W.T. including Pins.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 99.0 ft., R.Q.D. — ft., Bridge 25.5 ft., Forecastle 92.7 ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated —

Official No. 9814 Signal Letters — Extreme Breadth over Deck 72.0' Over-all Length 557.75' (Circ. 1611) (Circ. 1703)

No. and Material of Decks 1 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.	Salt Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft, Oil Fuel No. 1 DB		212	Fore peak tank,		17
Double bottom, under Engines and Boilers, No. 2 "		54	After peak tank,		16
Double bottom, if under Engines only,			Deep tank, aft,		
Double bottom, if under Boilers only,			Deep tank, forward,		81
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. 199

Date 16.5.52.

Dates of Surveys
held while building

From 29th January, 1957 to 14th January, 1958.

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