

RECEIVED  
17 APR 1950  
DISCLOSED  
SECTION  
IN D.O. NO. 774

NEW YORK MAR 18 1950

# STEEL STEAMER or MOTORSHIP

DISCLOSED  
SECTION  
11 APR 1950  
No. 774

State if Report has been sent on the Freeboard of the Vessel No  
State if Report is sent on the Machinery of the Vessel Yes

Date of completion of report 3rd March, 1950 Port of Philadelphia, Pa. No. 9433

Survey held at Chester, Pa. Date First Survey 24th October, 1949 Last Survey 17th February, 1950.

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) Single Screw Steamer "SOVAC DAYLIGHT"

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Full Scantling State Type of Erections F.B. & F.

TONNAGE under 15623.73  
Tonnage Deck....

Do. of space or spaces between Tonnage Dk. and Upper Dk.

Total 1974.21

Gross Tonnage 17597.94

Register Tonnage 10724

CLASS \*100A1

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 600'0"

Breadth (greatest moulded) B 82'6"

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 42'6"

1st Longitudinal Number (L x D) = 25500

2nd Numeral L x (P + D) = 75000

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

Proportions—Depth to Length — Uppermost continuous deck to top of keel 14.1  
Do. Long Bridge to top of keel

Draught Moulded 32' 2-15/16" Assigned by ABS

Built at Chester, Pa.

Launched 6th Feb. '50 Yard No. 575

Builders Sun S.B. & D.D.Co.

Owners Tankers Navigation Co., Inc.

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

Residence 17 Battery Place, New York 4

Port of Registry Panama, R.P.

If surveyed while building, afloat, or in dry dock

Building & Afloat

## REGISTERED DIMENSIONS.

FEET.

Length 602.2

Breadth 82.7

Depth 42.7

## 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.
Longl. Frames	-		Bracket Floors, Frame	-	
FRAMES, Spacing amidships	-		" " Reversed Frame	-	
" " from 3/8 length amidships to Collision bulkhead	-		" " Vertical Struts	-	
" " 24" Aft Peak	-		Centre Girder, depth and thickness amidships	57" .62" in Eng. Rm.	
" " in peaks 24" Fore Pk.	-		" " top Angles	Welded to tank top	
SIDE FRAMING, Longitudinal	-		" " bottom Angles	Welded to Flat Keel	
Frame Amidships, Angle, [ or [	-		Side Girders, No. each side and thickness	3 - .50"	
" " Extends up to	-		Margin Plate depth (excl. of flange) and thickness	None	
Reversed Frame Amidships, Angle	-		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	-	
" " Extends up to	-		" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area	-	
Depth of Framing Girder	-		" " Gussets, spacing and scantling abaft 1/4 len. from stem	-	
Frames in Uppermost Continuous 'tween Decks, Angle [ or [	-		" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	-	
" " Second 'tween Decks, Angle, [ or [	-		Tank Side Brackets, height above base line at toe of Frame and thickness	-	
" " Third " " "	-		INNER BOTTOM PLATING.		
" " from 1/2 len. for'd. to 15% len. from Stem	8" x 4" x 44	Above 2nd Dk.	Breadth and thickness of Middle Line Strake	.62" (Seams butt welded)	
Forepk. inverted angles	9" x 4" x 44	Above upper Dk.	Thickness of remainder in Holds	-	
" " in Peaks, Angle or [	6" x 4" x 44	Above upper Dk.	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	
ft Pk. inverted angles	7" x 4" x 44	Above upper Dk.	BEAMS.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	-		Uppermost Continuous Deck, amidships	-	
State if Frame Joggled	No		" " in Wells, Angle [ or [	-	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	Yes		" " in way of Bridge, Angle, [ or [	-	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	yes		Spacing	-	
SINGLE BOTTOM.			At ends toe welded	9" 4" .50	
Floors, Depth and thickness at mid-line in Holds	-		Second Deck, Angle, [ or [	8" 4" .50	
Height of Brackets at side above base line at toe of frame	-		Spacing 30" & 24"	-	
Middle Line Keelson, on Floors, Angles, [ or [	93" .50" C Girder		Third Deck, amidships, Angle, [ or [	-	
" " Through Plate or Intercoastal Plate	24" 1.00 Rider Plt. on C Girder (welded)		Spacing	-	
" " Foundation Plate on Floors	-		Fourth Deck, amidships, Angle, [ or [	-	
" " Flat Plate Keel	C Girder Welded to Flat Keel		Spacing	-	
Side Keelsons, No. each side	-		inverted	6" 4" 44"	
" " thickness of Intercoastal Plate	-		Poop Deck, Angle, [ or [	6" 4" 38" welded	
" " Angles	-		Spacing 28" - 29" fwd. of A.P. Bhd.	24" aft of A.P. Bhd.	
DOUBLE BOTTOM.			Bridge Deck, Angle, [ or [	5" 3" 31" welded	
Solid Floors, thickness and spacing 29" Max	57" .50" in Eng. Rm. (Welded)		Spacing 30"	-	
" " Are Frame and Reversed Frame joggled?	No		inverted	-	
Bracket Floors, breadth and thickness at middle line	-		Forecastle Deck, Angle, [ or [	6" 4" 38"	
" " breadth and thickness at margin plate	-		Spacing 24" & 30"	-	



## 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.
<b>PILLARS, No. of Rows.....</b>					
" in 'tween Decks, Size and Spacing.....	Vertical Webs of Transv. Bhds.	✓			
" " " " " " " " " " " "					
" in Holds " " " " " "					
Web " " " " " "					
<del>Deck</del> Line Bulkhead. 20'0" off C					
Stiffeners and Spacing. E & Flg. Plts.	7" to 14" toe welded	30" ✓			
Plating, thickness of. .44" to .56"					
<b>STRINGERS AND DECKS.</b>					
<b>Uppermost Continuous Deck.</b>					
Stringer Plate, breadth and thickness in Wells	116" x 1.18"	✓			
" " " " in way of Bridge	116 x 1.42"	✓			
" Angle in Wells	8"x 8"x 1-1/8" riveted	✓			
Thickness of Plating abreast Deck openings in way of Wells	1.18"	✓			
Thickness of Plating abreast Deck openings in way of Bridge	1.18"	✓			
Thickness of Plating within line of openings..	.91"	✓			
If Sheathed, material and thickness .....	Unsheathed				
<b>Second Deck. at ends only.</b>					
Stringer Plate, breadth and thickness in Wells deck plating	48" & 44" Plated transversely	✓			
Stringer Plate, breadth and thickness in way of Bridge					
Thickness of Plating abreast Deck openings in way of Wells					
Thickness of Plating abreast Deck openings in way of Bridge					
Thickness of Plating within line of openings..					
If Sheathed, material and thickness.....					
<b>Third Deck.</b>					
Stringer Plate, breadth and thickness.....			None	✓	
If Plated, state thickness.....			-		
<b>Fourth Deck.</b>					
Stringer Plate, breadth and thickness.....			None	✓	
If plated, state thickness.....			-		
<b>Poop Deck.</b>					
Stringer Plate, breadth and thickness.....			63" 80".42	✓	
Plating, <del>Stringer Plate, breadth and thickness</del>			.34" steel	✓	
<b>Bridge Deck.</b>					
Stringer Plate, breadth and thickness.....			89"x48"	✓	
Plating, <del>Stringer Plate, breadth and thickness</del>			.34"	✓	
<b>Forecastle Deck.</b>					
Stringer Plate, breadth and thickness.....			60"x.47"	✓	
Plating, <del>Stringer Plate, breadth and thickness</del>			27" 31" 62" under w	✓	

## SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		State if jogged?.....	SINGLE OR DOUBLE.	RIVETS.		No. of Rows of Rivets	RIVETS.		STRAPPED OR LAPPED.
	Breadth.	Thickness.	Thickness.	Thickness.				Diam.	Spacing. cr. to cr.		Diam.	Spacing. cr. to cr.	
	Inches.	Inches.	Inches.	Inches.									
FLAT PLATE KEEL .....	96"	1.06"	1.06"	1.06"	riveted seams	Butts & seams electrically welded except flat							
DBLG. (if any)	None					keel, upper & lower seams of bilge & sheerstrake							
BOTTOM PLATING, No. of Strakes 4 P & S	90"	1.00"	1.00"	1.00"	and stringer angle double upper 1" 3/4"								
BILGE PLATING, No. of Strakes 2 P & S	77"	1.00"	.68"	.62"		" lower 1-1/8" 4 1/4"	welded ✓						
SIDE PLATING, No. of Strakes 3 P & S	90"	.78"	.52"	.52"	welded	"							
UPPER DECK, Sheer-strake in Wells	88"	1.25"	.52"	.52"	double ✓	1-1/8"	4 1/4"	"					
UPPER DECK, Sheer-strake in Bridge	88"	1.44"	-	-	" ✓	1-1/8"	4 1/4"	"					
STRAKE BELOW Sheer-strake in Wells	96 3/4"	1.01"	.52"	.52"	welded	"							
STRAKE BELOW Sheer-strake in Bridge	96 3/4"	1.01"	-	-	"	"							
POOP SIDE PLATING	102"			.42"	"	"							
BRIDGE SIDE PLATING	89"	.50"	& .68	at ends	"	"							
FORE'LE SIDE PLATING			.46"		"	"							

## WATERTIGHT BULKHEADS.

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

Extending to Upper Deck (Sec. 3 c) 16 compl.transv.O.T. &  
" Deck next below W.T. Bulkheads  
As per Rule As approved

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
<b>KEEL, Bar</b> .....	<b>Cstg.</b>		<b>Penn Steel</b>	
<b>STEM</b> .....	"		<b>Cstgs.</b>	<b>Mil</b>
<b>STERN FRAME</b> { Propeller Post .....	"		"	"
{ Rudder .....	"		"	"
<b>Speed of Vessel</b> .....	<b>16 Knots</b>			
<b>RUDDER—Type</b> .....	<b>Streamlined</b>			
" A X D .....	<b>4620</b>			
" Diam. of head .....	<b>Cstg. 15"</b>			
" Mainpiece at top pintle .....	<b>Cast Steel Frame</b>			
" " heel .....	<b>Electrically welded</b>			
" how constructed .....				
" double or single plate .....	<b>Double</b>			
" coupling, vertical or .....				
" horizontal .....	<b>Horizontal</b>			

		Plating Thickness.	STIFFENERS.			
			VERTICAL.		HORIZONTAL.	
			Scantlings.	Spacing.	Scantlings.	Spacing.
	Center Tnks.	✓	✓		7" to 18"	✓
MIDSHIP BULKH'D.	Upper & lower	44x56"			inverted L 30"	✓
"	Second Wing	✓	✓		7" to 18"	✓
"	<del>thick</del>	44x56			inverted L 30"	✓
"	Holds	56"	✓	✓		
COLLISION	To 2nd. Dk. (excl.) above	.40	✓	✓	8"x4"x44" 3 (toe welded)	✓
AFTER PEAK	"	50" 60"	✓	✓	Flanged pts 10" 11" & 13" x: 44"-50" "	✓

STEEL.	Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) <u>Open hearth steel.</u>
	<u>Carnegie Illinois Steel Corp., Bethlehem Steel Co., Worth Steel Co., Lukens Steel Co.</u>
	Has the Steel been tested as required by the Rules? <u>Yes.</u>



## PARTICULARS OF LONGITUDINAL FRAMING.

Lloyd's Register  
in their  
Foundation

0050<sup>3/3</sup>



EQUIPMENT No. _____										LETTER <u>2543</u>		ANCHORS.	
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.		WEIGHT OF STOCK.			TEST, PER CERTIFICATE.		WEIGHT REQUIRED BY	Description of Anchor.	Makers.	Where and when tested and Superintendent.	
		<del>XXXXXX</del> lbs.		Cwts.	qrs.	lbs.	<del>Test Per Cert.</del> lbs.		Cwts.				
15711	1st Bower.....	15570 ✓					182784 ✓		15530	Stockless	Baldt Anchor	Chester, Pa.	
15712	2nd " .....	15559 ✓					182784 ✓		15530	"	C. & F. Div.	J.K.H. 17.11.48	
15713	3rd " .....	15629 ✓					182784 ✓		15530	"			
	Collective Weight.	46758 ✓							46590	"			
15710	Stream .....	5933 ✓					100912 ✓		5915	"			
CHAIN CABLES													

CHAIN CABLES										HAWERS AND WARPS									
Approved										Approved									
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.								
2543	330	16s	143732	134200	Cast Stl.	N.A.C.O.	Pittsburgh		140	32700	140								
							JMG 9.7.48		90	270	9"								
									90	270	8"								
Iron Stream Chain or Steel Wire	120		As approved	120															

Steering Gear, Type (Power or hand) Power (Hydro Electric) Alternative Means of Steering Hand

Steering Chains (Size and Test) - Windlass Steam Boats 4 @ 24" - 31 persons

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

Cargo Hatchways.—(Upper Deck) Circular Steel with hinged st. covers Thickness of Hatches 22.95" Fwd. dry cargo hatch hinged cover 20"

Size of Hatchways No. 1 (Fwd.) 10'0" x 20'0" No. 2 10'0" x 20'0" No. 3 - No. 4 - No. 5 - No. 6 -

Number of Shifting Beams and/or Fore and Afters -

Builder's Signature John Shipley & Dry Dock Co. per John W. Purdy, N.A.

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. oil

(b) 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 be indicated, together with the flash point (where required to be inserted in the Notation).

This vessel has been built in conformity with the Society's Rules and Regulations and the Secretary's letters. The scantlings and arrangements are in accordance with, or equivalent to those shown on the approved plans.

With a few exceptions, as noted on Page 4, the vessel is of all welded construction.

This vessel is intended to carry petroleum in bulk, the oil tanks, oil fuel tanks, cofferdams, peaks, deep tanks and double bottom tanks have been tested in accordance with the Rules and found satisfactory. Materials and workmanship are good throughout.

This vessel is fitted with a direction finder, radar, gyro compass, fathometer CO<sub>2</sub> fire extinguisher system (machinery space).

The amount of Entry Fee ..... \$ 3500.00

Special Survey Fee..... £ : :

Travelling Expense, if any £ 142.00

Fees applied for, 1 Mar. 1950 per F.A.G. Received by me, 19-

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

We are of opinion the Vessel should be Classed +100A1 Carrying petroleum in bulk.

State whether the Vessel has been built under Special Survey Yes

Certificate to be sent to NYK Date of issue 26/5/50

Signature L.R. [Signature] Surveyor to Lloyd's Register of Shipping.

Committee's Minute NEW YORK MAR 22 1950

Character assigned +100A1 PHL 2,50

Carrying Petroleum in Bulk.

Fitted for oil fuel 2,50 F.P. above 150°F

+LMC 2,50

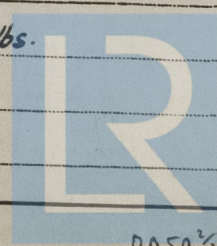
NOTE. Part etc. weld. - long. framing

Cruiser stem - mech. aft - O.F. - ESD - GYC

Radar.

2 WTB (SPT) 685 lbs.

etc. light.



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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.)

being  
This vessel is the sixth of seven sister ships/constructed by the same builders. The working plans are being retained for use in the survey of these vessels. Enclosed herewith, are blue prints of Midship Section Plan and Profile and Deck Plan.

PARTICULARS OF ELECTRIC WELDING (if employed) All welded construction except seams of upper deck A strake to C girder, No.1 girder angles to upper deck, outboard seams of "C" and inboard seam of D strakes of upper deck plating, upper deck stringer angles, seams of sheer bilge and flat keel strakes and bottom angles of No.1 & 2 bottom shell girders to shell, which are riveted only in way of cargo tanks.

Large sections were prefabricated and welded prior to assembly on ship.  
Approved welding rods were used in manual welding. Unionmelt approved welding process used elsewhere

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book Carrying petroleum in bulk.  
Longitudinal framing, machinery aft, fitted for oil fuel 2,50. F.P. above 150°, electrically welded  
DF ESD GYC.

Particulars of Drop Test of Cast Steel Anchors, viz:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	15570	J.K.H.	15711	17.11.48	Head & Shank dropped 12'0"
	2nd "	15559	"	15712	"	"
	3rd "	15629	"	15713	"	"
	Stream	5933	"	15710	"	"

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 129'3" ft., Bridge 38'9" Forecastle 84'3" (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated No

Official No. 1345-FP Signal Letters H.O.U.K. Extreme Breadth over Belting 82'10" Over-all Length 628'0" (Circ. 1611) (Circ. 1703)

No. and Material of Decks One Complete Steel

Parts of Bottom of Vessel coated with cement or approved composition. Peak Tanks only. Cement in bottom (depth of casting).

Particulars of composition (if fitted) and of approval D.B. tanks. Coated with 2 coats of bitumastic solution. Fresh water tanks cement washed. Fore & aft peak tanks coated with 2 coats of bitumastic solution.

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,			Fore peak tank,	36'0"	413.91
Double bottom, under Engines and Boilers, Aft	94'0"	307.70	After peak tank,	24'0"	151.98
Double bottom, if under Engines only,	103'3	-	Deep tank, aft,	-	-
Double bottom, if under Boilers only,	-	-	Deep tank, forward,	42'0"	1379.97
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.

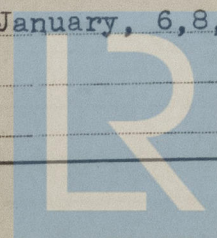
Date

Dates of Surveys held while building

24, 26 and 31st October, 3, 4, 7, 8, 9\*, 12, 14, 18, 21, 22, 23 and 28th November, 6, 7, 8, 12\*, 13\*, 14\*, 15\*, 16\*, 17\*, 19, 20\*, 21\*, 22, 23\*, 27\*, 28\*, 29\*, 30\* December 3\*, 4\*, 5\*, 6\*, 9\*, 10\*, 11\*, 12\*, 13\* 18\* January, 6, 8, 14 and 17th February. 1950

\*Indicates additional visit.

Total No. of Visits 71



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