

With or Without Disconnected Erections.

REC'D NEW YORK JAN 15 1921 STEEL STEAMER.

Received at London Office... WED. FEB. 2 1921

Date of completion of report 11th January 1921. Port of Philadelphia Pa. No. 4081
Survey held at Chester Pa. Date, First Survey 14th July 1920 Last Survey 3rd January 1921
On the (State if Single, Twin, or Triple Screw) SINGLE SCREW STEAMER SUNOCO Rig Two Masts (No sails)
TONNAGE under 6400.79 CLASS 100A1 Carrying petroleum in bulk
Tonnage Deck...
Do. between Tonnage Dk. and 3rd and 4th Dk. ...
Total under Upper Dk. 6400.79
Do. of Poop 207.63
Do. of R.Q. Dk. ...
Do. of Bridge House 6.87
Do. of Forecastle 35.06
Do. of Houses on Dk. 215.21
Do. of excess of Hatchways ...
Do. above Crown of Engine Room 132.96
Gross Tonnage 6998.52
Less Crew Space ...
Less above Crown of Engine Room ...
ONNAGE FOR FEES... 6998.52
Less Engine Room 1564.02
Less Navigation Spaces etc 405.69
Register Tonnage 5028 =
Destined Voyage New Orleans If Surveyed while Building, Afloat, or in Dry Dock Yes
State if Report is also sent on the Machinery of the Vessel Yes
Master E. THIRIAR
Year of appointment (1) As Master in service of owner of present vessel: 1920 (2) As Master of this vessel: 1921
Built at Chester Pa.
When built Jan. 1921 Launched 4th Dec 1920
By whom built Sun Shipbuilding Co
Owners Societe Anonyme d'Armenement d'Industrie et de Commerce
Managers (Where necessary to be entered in Reg. Book.)
Residence Antwerp
Port belonging to Antwerp

LENGTH on Deck as per Rule		Feet.		Inches.		BREADTH—Moulded		Feet.		Inches.		DEPTH, ACTUAL—Top of Floors to top of Upper Dk. Beams		Feet.		Inches.		No. of Decks with flat laid		No. of Tiers of Beams	
430		0				59		0				33		4		3/4		2		2	
Moulded depth, ft. 41 ins. 3 To Bridge Dk. Round of Upper Dk. Beam, Actual 14 1/2 ins.																					
Moulded depth, ft. 33 ins. 3 To Upper Dk.																					
Dimensions of Ship per Register, Length 430.2 breadth 59.2 depth 32.8																					
FRAMING.																					
FRAME, Angles, or Bars amidships Longitudinal framing																					
Do. in peaks 7 3 1/2 40 7 3 1/2 40																					
Do. in way of Double Bottoms at Solid Floors 3 1/2 3 1/2 44 3 1/2 3 1/2 44																					
" " at intermdt. Bkts. - - - - -																					
Spacing of Frames from centre to centre amidships Longitudinal framing																					
" " length to Collision bulkhead 28 1/2 in Engine Room only																					
" " in peaks 7 3 1/2 40 7 3 1/2 40																					
REVERSED FRAME, Angles, in Peaks 3 1/2 3 1/2 40 3 1/2 3 1/2 40																					
Do. in way of Double Bottoms at Solid Floors 3 1/2 3 1/2 44 3 1/2 3 1/2 44																					
" " at intermdt. Bkts. - - - - -																					
FRAMING, depth of girder in Peaks 7 3 1/2 40 7 3 1/2 40																					
LOORS, depth and thickness of Floor Plate at mid-line for 1/2 length amidships - - - - -																					
" in way of Engine and Boiler Spaces - - - - -																					
" thickness at the ends of vessel - - - - -																					
" depth at 1/2 the half breadth, as per Rule - - - - -																					
" height extended at the Bilges - - - - -																					
DOORS in Cell. Double Bottoms E.R. only 50 1 50 -																					
" state if flanged (top & bottom) No - - - - -																					
" Spacing of Solid floors E.R. only 28 1/2 1 28 1/2 -																					
CENTRE GIRDER, in Dbl. bottom, dpth. & thcknss. 76 - 50 76 - 50																					
" Angles, Top 3 1/2 3 1/2 50 3 1/2 3 1/2 50																					
" Bottom 6 6 56 5 5 56																					
" to Floors 3 1/2 3 1/2 50 3 3 42																					
" Brackets at intermdt. frmg., wdth & thcknss. Two - 44 Two - 44																					
E GIRDERS, number on each side & thickness No 1 No																					
" state if flanged (top and bottom) 3 1/2 3 1/2 50 3 1/2 3 1/2 44																					
" Angles (top and bottom) 3 1/2 3 1/2 44 3 1/2 3 1/2 44																					
" to Floors 3 1/2 3 1/2 50 3 3 42																					
GIN PLATE, depth (exclusive of flange) Level 52 Level 52																					
" and thickness 6 4 50 4 4 50																					
" Angle to Outside Plating - - - - -																					
" Floors - - - - -																					
" Brackets at intermdt. frmg., wdth & thcknss. - - - - -																					
Height of Outside Brackets above at bilge Longitudinal framing																					
R BOTTOM PLATING, breadth and thickness of Middle Line Strake - - - - -																					
" in Engine and Boiler space 58 1/2 52 74 58 1/2 52 74																					
" Remainder in Holds - - - - -																					
S, Upper Deck, Single Angle, Bulb 7 3 1/6 45 7 3 1/6 45																					
" Angle, Plate, Tee Bulb, or Channel 7 3 1/6 42 7 3 1/6 42																					
" in way of Long Bridge - - - - -																					
Spacing in Peaks 24 - 24 -																					
Second Deck, Single Angle, Bulb 10 3 3/8 38 10 3 3/8 38																					
" Angle, Plate, Tee Bulb, or Channel - 24 - 24 -																					
Spacing - - - - -																					
BEAMS, Third and Fourth Deck, Single Angle, Bulb Angle, Plate, Tee Bulb, or Channel - - - - -																					
" Angles on upper edge - - - - -																					
" Spacing - - - - -																					
BEAMS, Poop Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel Longitudinal																					
" Angles on upper edge - - - - -																					
" Spacing - - - - -																					
BEAMS, Bridge Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel Longitudinal																					
" Angles on upper edge - - - - -																					
" Spacing - - - - -																					
BEAMS, Forecastle Deck, Angle, Bulb Angle, Plate, Tee Bulb, or Channel 7 3 1/4 45 7 3 1/4 45																					
" Angles on upper edge - - - - -																					
" Spacing 24 - 24 -																					
PILLARS.																					
PILLARS In 'tween Deck, size and spacing Pillars in Fore																					
" Hold " " Hold 12 1/2 12 7 8 1/2 I																					
" Quarter 'tween Dks., " " Spaced 8' 0" to 10' 9" apart																					
" in Hold " " - - - - -																					
KEELSONS & STRINGERS.																					
CENTRE LINE KEELSON, Vertical Plate above floors, Through Plate, or Intercoastal Plate - - - - -																					
" Rider Plate, lower plate of M.L. Plate 52 - 52 -																					
" Flat Plate Keel Angles 6 6 62 6 6 62																					
" Horizontal Plates on Floors - - - - -																					
" Angles or Bulb Angles - - - - -																					
SIDE KEELSONS, Number - - - - -																					
" Angles or Bulb Angles - - - - -																					
" Plate above floors, for length - - - - -																					
" Intercoastal Plate, for length - - - - -																					
" Attached to outside Plating with Angle - - - - -																					
BILGE KEELSON, Angles - - - - -																					
" Intercoastal Plate, for length - - - - -																					
" Attached to outside Plating with Angle - - - - -																					
SIDE STRINGERS, Number - - - - -																					
" Angle - - - - -																					
" Intercoastal Plate, for length - - - - -																					
" Attached to outside plating with Angle - - - - -																					
Upper Deck Stringer Plate, br'dth & thickness (clear of Bridge) 65 1/2 69 63 69																					
" " " " br'dth & thickness 65 1/2 69 63 69																					
" " " " Angle (clear of Bridge) 6 x 6 62 6 x 6 62																					
" " " Tie Plate at sides of Hatchways - - - - -																					
" Deck * Iron or Steel, for full lng 46 1/2 64 36 46 1/2 64 36																					
" Thickness (clear of Bridge) 7 1/2 6 1/2 1 46 1/2 6 1/2 -																					
" " (in way of Bridge) - - - - -																					
" Wood Deck, Material & thickness No wood deck																					
Second Deck Stringer Plate, br'dth & thickness 99 1/2 44 99 1/2 44																					
" Angles on ditto, No. one 5 x 5 50 5 x 5 50																					
" Tie Plates outside Hatchways - - - - -																					
" Deck * Iron or Steel, for full lng 40 10 34 40 10 34																					
" Wood Deck, Material & thickness No wood deck																					
Third Deck Stringer Plate, br'dth & thickness - - - - -																					
" Angles on ditto, No. - - - - -																					
" Tie Plates, outside Hatchways - - - - -																					
" Deck * Material and thickness - - - - -																					
Fourth and Fifth Deck Stringer Plate, breadth & thickness - - - - -																					
" " " Angles on ditto, No. - - - - -																					
" " " Tie Plates outside Hatchways - - - - -																					
" " " Deck, Material & thickness - - - - -																					
Poop Deck Stringer Plate, breadth & thickness 44 36 37 36																					
" Angle on ditto 3 1/2 x 3 1/2 38 3 1/2 x 3 1/2 38																					
" Tie Plates - - - - -																					
" Deck, Material and thickness Steel - 34 - 34																					
Bridge Deck Stringer Plate, br'dth & thickness 41 42 41 42																					
" Angle on ditto 3 1/2 x 3 1/2 44 3 1/2 x 3 1/2 44																					
" Tie Plates - - - - -																					
" Deck, Material and thickness Steel - 32 - 32																					
Forecastle Deck Stringer Plate, br'dth & th'kns - 36 - 36																					
" Angle on ditto 3 1/2 x 3 1/2 38 3 1/2 x 3 1/2 38																					
" Tie Plates - - - - -																					
" Deck, Material and thickness Steel - 34 - 34																					

WEB FRAMES. In Fore Body, No. and spacing. In After Body, No. and spacing. BULKHEADS. W.T. BULKHEADS. COLLISION. PARTITION. LONGITUDINAL. FORGINGS OR CASTINGS. KEEL, Bar, depth and thickness. STEM, moulding and thickness. STERN-POST for Rudder do. do. RUDDER-A x D* Table 22. Speed 10 1/2 knots. Main-Piece, diameter at head. RUDDER, how constructed. Thickness of Plates or Single Plate. Manufacturer's name or trade mark of the Iron or Steel (state process of manufacture of Steel) used for Frames, Floors, Beams, Keelsons, Tie and Stringer Plates, Plating, &c.?

PLATING. STRAKES. AS IN SHIP. PER RULE OR AS APPROVED. EDGES. BUTTS. Double or Treble and for what Length. RIVETS. STRAPS. IF LAPPED. THICKNESS OF STRAKES CLEAR OF LONG BRIDGE DO. OF STRAKE BELOW DBLG. OF Flat Plate Keel. POOP SIDES. SHORT BRIDGE SIDES. FORECASTLE SIDES. Where a long bridge is fitted the thickness of Upper Deck Sheerstrake and Strake below should also be stated clear of same.

Upper Deck. Stringer Plate. Second Deck. Stringer Plate. FRAMES extend in one length from Longitudinal or Framing. REVERSED FRAMES on floors and frames extend from Longitudinal framing (See page 4).

MASTS, SPARS, &c. LOWER MASTS. Fore. Main. Mizzen. Bowsprit. Topmasts, Yards and Remainder of Spars. Rigging, Material and Size, Shrouds. Sails. Suit of. Sails, and the following spare sails.

EQUIPMENT No. 41339. LETTER 67. ANCHORS. TONNAGE U.D.K. OR PLATING No. FOR TRAWLERS. Number of Certificate. Anchors. WEIGHT, EX. STOCK. TEST, PER CERTIFICATE. Description of Anchor. Makers. Where and when tested and Superintendent. Particulars of Drop Test of Cast Steel Anchors, viz.: Weight, Surveyor's Initials, Number of Certificate, Date of Test.

CHAIN CABLES. HAWSERS AND WARPS. Number of Certificate. Length and size supplied. Test per Certificate. WEIGHT OF CHAIN CABLE. Length and size per Table 31. Description. Makers of Cable. Where and when tested, and Superintendent. Material. Length and size supplied. Breaking Test of Steel Wire. Length. Cir. Fathoms. Ins. Fathoms. Ins. Fathoms. Ins.

Boats Four lifeboats + one working boat. Steering Gear, Steam by Sun 3 B. Co. Steering Gear, Hand by Sun 3 B. Co. Pumps, Number. No hand pumps fitted. Diameter of Barrel. State whether they are in efficient working order. Windlass is Steam by Sun 3 B. Co. Capstan. None. Engine Room Skylights. How constructed? Steel plates + angles. What arrangements for deadlights in bad weather? Steel flaps + bulboyes. Coal Bunker Openings. How constructed? Steel plates + angles. How are lids secured? By cleats + battens. Height above deck? 3' 0". Number of Scuppers, and numbers and dimensions of Freeing Ports, &c. 5 scuppers each side, 11 Freeing ports 32" x 18" each side. Ceiling in Holds, thickness and material Forward Hold 2 1/2" Spruce. Centre Hold 2 1/2" Spruce. Aft Hold 2 1/2" Spruce. Cargo Hatchways. How formed? Steel plates and angles. Hatches, If strong and efficient? Yes. State size No. 1 Hatch (Forward) 9' 9" x 15' 3". No. 2 Hatch 10 pairs 6' 4" x 8' 0". No. 3 Hatch 5 pairs 6' 4" x 8' 0". No. 4 Hatch 12' 0" x 14' 0" on top. Number of Web Plates, Shifting Beams and Fore and Afters to each Hatch. No. 1-3 steel fore + afters. No. 4-2 steel webs. No. of Breasthooks. Six. No. of Crutches Deep floors. Main Rail, material and size. Steel 7' 3" x 15' 3" lbs. But angle. Bulwarks, height above deck and description. 42" x 34" steel plates. The foregoing is a correct description. Surveyor's Signature. James S. Butler. Builder's Signature (here only). Wm. K. Graham Vice Pres. Surveyor to Lloyd's Register of Shipping.

Correspondence. State dates and initials of letters respecting this case. Reference should be made in any correspondence connected with the case SECY M. 14/9/16, 24/10/16, 8/2/17, 18/4/17, 13/6/17, 30/6/17, 26/11/17, 11/2/18, 13/12/18, 1/1/19, 2/8/19, NEW YORK 2/8/19, 5/10/19, 6/10/19, 29/10/19, 6/12/19, 8/1/20, 10/1/20, 18/1/20, 1/3/20, 4/4/20, 24/4/20, 25/5/20, 6/6/20, 23/10/20, 14/11/20, 20/11/20, 12/12/20, 5/1/21, 23/1/21, 24/1/21. Workmanship. Are the butts of plating planed or otherwise fitted? Planed when practicable. Is the riveted work properly closed? Yes. Are the liners between the frames and plates solid single pieces? Yes. Do the holes for riveting plate to frames, butt straps, or plate to plate, &c., conform well to each other? Yes. Are the rivet holes well and sufficiently countersunk in the plate and punched from the facing surfaces? Yes. Do any rivets break into or through the seams or butts of the plating? A few. Are the butts of Plating, Stringers, &c., properly shifted and strapped or overlapped? Yes. Have all the upper and weather decks been tested as required by the Rules (Sec. 26, par. 20)? Yes. State results of tests. Satisfactory. Have all the gutterways been tested as required by the Rules (Sec. 26, par. 20)? Yes. State results of tests. Satisfactory.

General Remarks (State quality of workmanship, &c.) This vessel is a sister ship to the S.S. Atlantic Sun (Report N° 3767) and has been built in accordance with the Rules, the approved plans, and the Secretary's letters of the above mentioned dates. The workmanship throughout is good. All the cargo oil tanks, copperdams and oil fuel bunkers have been tested as required by the Rules and found satisfactory. The vessel is fitted with wireless telegraphy apparatus. Plans of Midship section and General Arrangement, also copies of Interim Certificate, and Temporary Freeboard Certificate are forwarded herewith.

The Surveyor should state the Number of Report and Name of any Sister Vessel. Plans to be forwarded with F.E. Report showing vessel as built. Freeboard Fee \$ 50.00 Fees applied for, The amount of Entry Fee \$ 25.00 Jan 13 1921 Special Survey Fee \$ 999.75 Received by me, Local Travelling Expenses, if any \$ 35.00 2-3-1921 New York \$ 7.00 State whether the Vessel has been built under Special Survey Yes I am of opinion this Vessel should be Classed Fitted for Oil Fuel F.E. above 150°F. James S. Butler Surveyor to Lloyd's Register of Shipping. With, or without Freeboard, as condition of Class Without

Committee's Minute. Character assigned. note: A+C.P. E.g. h. b. Long frame Mch. aft Elec. Lt. J.D. + 100A. Carr. Pet. in bulk + Lmb. 1/21 Fitted for oil fuel 1/21 JP above 150°F. JAN 18 1921

PARTICULARS OF LONGITUDINAL FRAMING.

FRAMING.		AMIDSHIPS.			ENDS.			AMIDSHIPS.			ENDS.			RIVETING.						
		In Ship.			In Ship.			Per Rule or as approved.			Per Rule or as approved.			Rivets in Longitudinal Frames.		Spacing of Rivets on each side of Transverses and Bulkheads.		Rivets in Brackets to Bulkheads.		
		In.	Ins.	Ins.	In.	Ins.	Ins.	In.	Ins.	Ins.	In.	Ins.	Ins.	In.	Ins.	Inches.	Number.	Diameter.	Inches.	
Framing of Δ , ∇ , \square		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Frames in Bridge 'tween Decks...		6	3 1/2	35	-	-	-	6	3 1/2	35	-	-	-	7/8	5 1/4	-	-	-	-	
Frames from Uppermost Continuous Deck		6	3 1/2	35	6	3 1/2	35	6	3 1/2	35	6	3 1/2	35	1	6	6	7	7/8	-	
Framing from Awning, Shelter or Upper Deck to Margin Plate. CENTRE LINE		" 2	6	3 1/2	35	6	3 1/2	35	6	3 1/2	35	6	3 1/2	35	1	6 1/4	6 1/4	7	7/8	
		" 3	7	3 1/6	45	6	3 1/2	35	7	3 1/6	45	6	3 1/2	35	7/8	6 1/4	3 1/8	8	7/8	
		" 4	7	3 1/6	45	7	3 1/6	45	7	3 1/6	45	7	3 1/6	45	7/8	6 1/4	3 1/8	8	7/8	
		" 5	10	3 3/8	38	7	3 1/6	45	10	3 3/8	38	7	3 1/6	45	7/8	6 1/4	3 1/8	8	7/8	
		" 6	10	3 3/8	38	7	3 1/6	45	10	3 3/8	38	7	3 1/6	45	7/8	6 1/4	3 1/8	8	7/8	
		" 7	10	3 3/8	38	10	3 3/8	38	10	3 3/8	38	10	3 3/8	38	7/8	6 1/4	3 1/8	10	7/8	
		" 8	10	3 1/2	50	10	3 1/2	50	10	3 1/2	50	10	3 1/2	50	7/8	6 1/4	3 1/8	10	7/8	
		" 9	10	3 1/2	50	10	3 1/2	50	10	3 1/2	50	10	3 1/2	50	7/8	6 1/4	3 1/8	10	7/8	
		" 10	10	3 1/2	50	10	3 1/2	50	10	3 1/2	50	10	3 1/2	50	7/8	6 1/4	3 1/8	10	7/8	
		" 11	13	4 1/8	50	13	4 1/8	50	13	4 1/8	50	13	4 1/8	50	7/8	6 1/4	3 1/8	10	7/8	
		" 12	13	4 1/8	50	13	4 1/8	50	13	4 1/8	50	13	4 1/8	50	7/8	6 1/4	3 1/8	10	7/8	
		13 to 17		13	4 1/8	50	13	4 1/8	50	13	4 1/8	50	13	4 1/8	50	7/8	6 1/4	3 1/8	16	7/8
18 to 23		13	4 1/8	50	13	4 1/8	50	13	4 1/8	50	13	4 1/8	50	7/8	6 1/4	3 1/8	12	7/8		
" 16		Longitudinals on flat of bottom forward fitted with back bars 3 1/2 x 3 1/2 x 4 1/4																		
Spacing of Longitudinal Frames		Amidships			At Ends			Amidships			At Ends									
Double Bottoms		Tank Top Longitudinals			Bottom			Amidships			At Ends									
Under Boilers		Amidships			At Ends			Amidships			At Ends									
Spacing of Longitudinals		Amidships			At Ends			Amidships			At Ends									
Transverses.		In Bridge			Depth and Thickness			Face Angles			Lugs to Shell			Rivets in Lugs to Shell						
'tween Decks		15			3-4-40			-			-			7/8		4 3/8				
In Awning, Shelter or Upper 'tween Decks.		15			3-53-52 1/4			-			-			-		-				
In Hold.		28			10-50			-			-			7/8		4 3/8				
Spacing of Transverse Frames		109 3/8			96 x 11 1/2 in.			109 3/8			96 x 11 1/2 in.									
Longitudinal Beams of		Bridge Deck			6			3 1/2			35			41						
Awg. or Shlr. Dk.		-			-			-			-									
Upper		6			3 1/2			35			6			3 1/2			28 1/8			
Second		7			3 1/6			45			7			3 1/6			28 1/8			
Third		-			-			-			-									

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, etc., 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, etc., on the first page.

5e, 317.—T.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 133.0 ft., R.Q.D. ft., Bridge 36.46 ft., Forecastle 40.4 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated *Not joined*

No. and Material of Decks (if Iron or Steel) and whether wholly or partially covered with wood, and No. of tiers of Beams (this information is to be given as it should appear in the Register Book) *2 Dks (all) + Web frames. Longitudinal framing*

Official No. *✓*; Signal Letters *✓* State if Machinery is fitted aft *yes*

How are the surfaces preserved from oxidation? Inside *Cement paint or bitumastic* Outside *Paint*

PARTICULARS OF WATER BALLAST.—State whether the Double bottom is constructed on the cellular system or with girders on floors *Cellular system*

Where Fitted.	*Length.	Water Capacity.	Where Fitted.	*Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	—	—	Fore peak tank, <i>Fuel oil or W.B.</i>	—	—
Double bottom, under Engines and Boilers,	—	—	After peak tank, <i>Ballast of F.W.</i>	—	222.0
Double bottom, if under Engines only, <i>Water ballast</i>	35.46	128.0	Deep tank, aft,	—	56.5
Double bottom, if under Boilers only, <i>Fresh Water</i>	24.00	131.0	Deep tank, forward,	—	—
Double bottom, forward,	—	—	Other tanks, if fitted,	—	—
	Total capacity of double bottom	259.0	(If necessary, furnish further information by sketch.)	—	—

* The wells are not to be included in the lengths of the tanks. *59.66*

State whether the above have been tested as required by the R. I.

* The wells are not to be included in the lengths of the tanks. *5966*

State whether the above have been tested as required by the Rules. *yes*

Order for Special Survey No. *432*Date *20th May 1920*No. *48* in builder's yard.

DATES OF SURVEYS held while building

1920 JULY 14, 19, 20, 29, AUG 5, 26, SEPT 2, 9, 13, 15, 22, 24, OCT 1, 4, 7, 12, 18, 26, 29, NOV 1, 3, 4, 5, 8, 21, 23, 24, 26, 29, 30, DEC 1, 2, 3, 4, 9, 15, 16, 17, 18, 20, 21, 22, DEC 23, 29, 30, 1921 JAN 3.

Surveyor's Signature

James S. Bulley
Lloyd's Register Foundation

Total No. of Visits *46*