

## STEEL STEAMER or MOTORSHIP.

Received at London Office

-9 JUL 1941

State if Report has been sent on the Freeboard of the Vessel

State if Report is sent on the Machinery of the Vessel

Date of completion of report 29<sup>th</sup> APRIL 1941.

Port of

Philadelphia Pa.

No.

8037

Survey held at CHESTER, Pa.

Date First Survey

5<sup>th</sup> AUGUST 1940.Last Survey 16<sup>th</sup> MARCH 1941

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

M.V. SINGLE SCREW: MOTOR VESSEL.

"ATLANTIC SUN"

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

FULL SCANTLING

State Type of Erections POOP BRIDGE, ETC.

TONNAGE under Tonnage Deck

10248.

CLASS 100-A1:

State if with freeboard as condition of Class

No:

Built at CHESTER, Pa.

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

Total 10248.

Gross Tonnage 11355

Register Tonnage 6891.

## REGISTERED DIMENSIONS.

FEET.

Length 524.6.

Breadth 70.2.

Depth 39.7.

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

L 521.0

Breadth (greatest moulded)

B 70.0

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

D 40.0

1st Longitudinal Number (L x D)

= 20840

2nd Numeral L x (B + D)

= 57310

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

✓

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

13.25

Do. Long Bridge to top of keel

✓

Draught Moulded

30'-1"

Launched 11<sup>th</sup> JANUARY 1941: Yard No. 212.

Builders Sun Shipbuilding &amp; Dry Dock Co.

Owners SUN. OIL CO.

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

Residence 1608. WALTON ST. PHILA. PA.

Port of Registry Philadelphia Pa.

If surveyed while building, afloat, or in dry dock

Building and Afloat.

## 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.
<b>FRAMES, Spacing amidships</b> Long. Frame:			<b>Bracket Floors, Frame</b>	✓	
" " from $\frac{3}{4}$ length amidships to Collision bulkhead.....	✓		" " Reversed Frame	✓	
" " 24" AFT PEAK in peaks..FORE PEAK LONG. FRAME:			" " Vertical Struts	✓	
<b>SIDE FRAMING.</b>			<b>Centre Girder, depth and thickness amidships</b> 8 1/2 x 62 IN. ENG. RM.		
<b>Frame Amidships, Angle, [ or ]</b>	✓		" " top Angles	WELDED TO TANK TOP.	
" " Extends up to	✓		" " bottom Angles	WELDED TO KEEL: 8 1/2 x 62.	
<b>Reversed Frame Amidships, Angle</b>	✓		<b>Side Girders, No. each side and thickness</b> 75 x 62.		
" " Extends up to	✓		<b>Margin Plate depth (excl. of flange) and thickness</b>	✓	
<b>Depth of Framing Girder</b>	✓		" " Vertical Angle to Tank side	✓	
<b>Frames in Uppermost Continuous 'tween Decks, Angle, [ or ]</b>	✓		" " Bracket abaft $\frac{1}{4}$ len. from stem	✓	
" " Second 'tween Decks, Angle, [ or ]	✓		" " Vertical Angle to Tank side	✓	
" " Third " " " "	✓		" " Bracket from forward $\frac{1}{4}$ len. from stem to Panting Area	✓	
" " from $\frac{1}{4}$ len. for'd. to 15% len. from Stem	✓		" " Gussets, spacing and scantling abaft $\frac{1}{4}$ len. from stem	✓	
" " in Peaks, Angle <del>of</del> A. PEAK L. 6 x 4 x 375 TOE WELD.			" " Gussets, spacing and scantling from forward $\frac{1}{4}$ len. from stem to Panting Area	✓	
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amidships</b>	✓		<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>	✓	
<b>State if Frame Joggled</b>	NO.		<b>INNER BOTTOM PLATING.</b>		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	YES.		Breadth and thickness of Middle Line Strake	58" IN. ENG. ROOM.	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	YES.		Thickness of remainder in Holds	✓	
<b>SINGLE BOTTOM.</b>			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?	ALL SEAMS & BUTTS WELDED.	
<b>Floors, Depth and thickness at mid-line in Holds</b>	✓		<b>BEAMS.</b> LONGITUDINALS.		
Height of Brackets at side above base line at toe of frame	✓		<b>Uppermost Continuous Deck, amidships in Wells, Angle, [ or ]</b> 8" x 4" x 44.	LONG. WELDED. as approved.	
<b>Middle Line Keelson, on Floors, Angles, [ or ]</b> 90" x 50" G. GIRDER.			" " in way of Bridge, Angle, [ or ]	✓	
" " Through Plate or Intercoastal Plate	✓		Spacing	36"	
" " Foundation Plate on Floors	✓		<b>Second Deck, amidships, Angle, [ or ]</b>	✓	
" " Flat Plate Keel Angles <del>of</del> GIRDER WELD TO KEEL.			Spacing	✓	
<b>Side Keelsons, No. each side</b>	✓		<b>Third Deck, amidships, Angle, [ or ]</b>	✓	
" " thickness of Intercoastal Plate	✓		Spacing	✓	
" " Angles	✓		<b>Fourth Deck, amidships, Angle, [ or ]</b>	✓	
<b>DOUBLE BOTTOM.</b>			Spacing	✓	
<b>Solid Floors, thickness and spacing</b> 8 1/2 x 62 IN. ENG. ROOM.			<b>Poop Deck, Angle, [ or ]</b> 6" x 3 1/2 x 44.	LONG. WELDED.	
" " Are Frame and Reversed Frame joggled?	NO.		Spacing	36"	AS APPROVED.
<b>Bracket Floors, breadth and thickness at middle line</b>	✓		<b>Bridge Deck, Angle, [ or ]</b> 6" x 3 1/2 x 375.		
" " breadth and thickness at margin plate	✓		Spacing	30.	
			<b>Forecastle Deck, Angle, [ or ]</b> 6" x 3 1/2 x 44.	ditto.	
			Spacing	36.	



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.....		6 GIRDER.									
" " " " " "		5 TRANSVERSE.									
" " " " " "		WEBS.									
" in Holds " " " "											
" " " " " "											
<b>WING.</b>											
Centre Line Bulkhead, 18'0" OFF. 2		L 7' x 4' x 44.									
Stiffeners and Spacing.....		22' 12" x 26' 12" x 46' 12"									
Plating, thickness of .....		.46 TO .68									
<b>STRINGERS AND DECKS.</b>											
<b>Uppermost Continuous Deck.</b>											
Stringer Plate, breadth and thickness in Wells		76" x 1.00									
" " " " in way of Bridge		76" x 1.16									
" Angle in Wells .....		STR. WELDED DIRECT TO SHELL									
Thickness of Plating abreast Deck openings in way of Wells		.65									
Thickness of Plating abreast Deck openings in way of Bridge		✓									
Thickness of Plating within line of openings...		✓									
If Sheathed, material and thickness .....		✓									
<b>Second Deck.</b>											
Stringer Plate, breadth and thickness in Wells...		54" x .8. 2nd Dk. FWD.									
		42" x .50. MACH. PLAT. AFT.									
<b>Stringer Plate, breadth and thickness in Wells</b>											
<b>Third Deck.</b>											
Stringer Plate, breadth and thickness.....		✓									
If Plated, state thickness.....		✓									
<b>Fourth Deck.</b>											
Stringer Plate, breadth and thickness.....		✓									
If Plated, state thickness .....		✓									
<b>Poop Deck.</b>											
Stringer Plate, breadth and thickness .....		42" x .58. TO .38.									
Plating, Sheathing, material and thickness .....		PLATED .31 TO .50. IN BOILER RM.									
<b>Bridge Deck.</b>											
Stringer Plate, breadth and thickness.....		45" x .44.									
Plating, Sheathing, material and thickness .....		PLATED .34.									
<b>Forecastle Deck.</b>											
Stringer Plate, breadth and thickness.....		53" x .44.									
Plating, Sheathing, material and thickness .....		PLATED .31 TO .625 UNDER WINDLASS.									
<b>SHELL PLATING.</b>											
<b>SCANTLINGS.</b>											
STRAKES.		AS IN VESSEL.		ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.		EDGES.		RIVETING.		BUTTS.	
		AMIDSHIPS. FORWARD. AFT.				SINGLE OR DOUBLE.		RIVETS.		STRAPPED OR LAPPED.	
		Breadth. Thickness. Thickness. Thickness.				Diam. Spacing or to cr. Diam. Spacing or to cr.		No. of Rows of Rivets. Diam. Spacing or to cr.			
		Inches. Inches. Inches. Inches.				Inches. Inches. Inches. Inches.					
FLAT PLATE KEEL .....		.40. .93. THROUGHOUT.									
" DELG. (if any) ✓		✓									
BOTTOM PLATING, No. of Strakes ... 3		108. .86. .86. .58.									
BILGE PLATING, No. of Strakes ... 2		73 1/2. .86. .62. .62.									
SIDE PLATING, No. of Strakes ... 2		108. .73. .62. .52.									
UPPER DECK, Sheer-strake in Wells.....		87. 1.00. .71. .59.									
UPPER DECK, Sheer-strake in Bridge ...		87. 1.16. ✓ ✓									
STRAKE BELOW Sheer-strake in Wells.....		72. .84. .60. .56.									
STRAKE BELOW Sheer-strake in Bridge ...		72. .84. ✓ ✓									
POOP SIDE PLATING .....		✓ ✓ .62. .42.									
BRIDGE SIDE PLATING ...		✓ .50 x .62 ✓ ✓									
FORECASTLE SIDE PLATING		✓ ✓ .43 ✓									
<b>WATERTIGHT BULKHEADS.</b>											
Total No. of W.T. BULKHEADS in Vessel—											
Extending to Upper Deck (Sec. 3 c)		16 COMPLETE TRANSVERSE. D.T.									
" Deck next below		8 W.T. BULKHEADS.									
As per Rule		AS APPROVED.									
<b>FORGINGS and CASTINGS.</b>											
Casting or Forging.		Scantlings.		Maker's Name.		Any Departure from Approved Plans to be Noted.					
KEEL, Bar .....		✓		✓		✓					
STEM .....		✓		✓		✓					
STERN FRAME		Propeller Post		PENN. STEEL CASTINGS CO.							
		Rudder		" " "							
Speed of Vessel.....		15 1/2 KNOTS.									
RUDDER—Type.....		BUNT.									
" A x D .....		A 23.0-33. D 4-33									
" Diam. of head .....		14"									
" Mainpiece at top pintle		cast steel frame									
" " heel		" " "									
" how constructed		stream line built.									
" double or single plate		Double.									
" coupling, vertical or horizontal		Horizontal.									
<b>STIFFENERS.</b>											
Plating Thickness.		VERTICAL.		HORIZONTAL.							
		Scantlings. Spacing. Scantlings. Spacing.									
MIDSHIP BULKHEAD, Upper 'tween decks		.38. L 8 x 4 x 44. 36. 1									
" " Second		.60. F 18 x 6 x 50. 40. 1									
" " Third		.50. L 7 x 4 x 44. 30. 1									
" " Holds		.60. F 16 x 5 x 46. 36. 1									
COLLISION " (in Hold)		.38. L 4 x 3 x 31. 25. 1									
" " "		.62. F 12 x 4 x 44. 33. 1									
AFTER PEAK " " "		.375. L 4 x 3 x 31. 10. 1									
		.46. F 6 x 3 1/2 x 32. 10. 1									
Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)											
Allan Wood Co. Allan Wood Co. Carnegie-Illinois Steel Co. (Pittsburg & Chicago).											
Has the Steel been tested as required by the Rules? YES.											

Eq. No. Estimated at Weight approx 58800 - 47

Rpt. 1st. M.V. ATLANTIC SUN. YARD NO. 212. REPT. NO. 8037.

**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.		
	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	
Framing of L, E or E	FLANGED PLATES.			FLE SIDE.			POOP SIDE.								
Frames in Bridge 'tween Decks ...	L 7" x 4" x 37 1/2"	L 6 x 3 1/2 x 44"	L 7 x 4 x 44"												
Frames from Uppermost Continuous Deck	L 7" x 4" x 44"	L 6 x 4 x 44"	L 6 x 4 x 44"												
" 2	L 8" x 4" x 44"	L 6 x 4 x 44"	"												
" 3	L 10" x 4" x 44"	L 7 x 4 x 44"	"												
" 4	L 11 x 4" x 44"	L 8 x 4 x 44"	"												
" 5	L 12" x 4" x 44"	L 9 x 4 x 44"	L 7 x 4 x 44"												
" 6	L 13" x 4" x 44"	L 9 x 4 x 44"	L 8 x 4 x 44"												
" 7	L 14" x 4 1/2 x 44"	L 9 x 4 x 44"	L 9 x 4 x 44"												
" 8	L 14" x 5" x 44"	L 9 x 4 x 44"	L 10 x 4 x 44"												
" 9	L 15" x 5" x 44"	L 10 x 4 x 44"	L 11 x 4 1/2 x 44"												
" 10	L 16" x 5" x 44"	L 10 x 4 x 44"	L 12 x 4 1/2 x 44"												
" 11	L 17" x 5" x 44"	L 11 x 4 x 44"	L 12 x 5 x 44"												
" 12	L 18" x 5" x 44"	L 11 x 4 x 44"	"												
" 13	L 19 x 5" x 50"	"	"												
" 14	L 20 x 5" x 54"	"	"												
" 15	To 23	"	"												
" 16	"	"	"												
Spacing of Longitudinal Frames	Amidships .36"			At Ends .....											
Double Bottoms L, E or C	Tank Top Longitudinals			Bottom			TRANSVERSE. FLOORS. IN. MACHINERY. SPACE.								
Spacing of Longitudinals	Amidships			At Ends...											
Transverses.	BRIDGE.			FLE.			POOP.								
In Bridge 'tween Decks	Depth and Thickness			FLG. PT. 15" x 46.			13" x 40.			16" x 44.			WELDED.		
	Face Angles .....			4" FLG.			4 1/2" FLG.			5" FLG.			WELDED.		
	Lugs to Shell .....			WELDED.			WELDED.			WELDED.			WELDED.		
In Upper 'tween Decks.	Depth and Thickness			FLG. PT. 24" x 44.			FLG. PT. 25" x 44.								
	Face Angles .....			5" FLG.			5" FLG.								
	Lugs to Shell .....			WELDED.			WELDED.			WELDED.					
In Hold.	Depth and Thickness														
	Face Angles .....														
	Lugs to Shell .....														
	" " Back Bars ...														
	Brackets .....														
Spacing of Transverse Frames .....	State if jogged or liners.														
Longitudinal Beams of L, E or C	Bridge Deck ...														
	Upper "														
	Second "														
	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.															
Character assigned +100A1 carrying Petroleum in bulk															
+ LMC-34 1/2 Oil Bag.															
NOTE—LONG. FRAMING.															
LLOYD'S A.C.P.															
MACHINERY AFT.															
ELEC. WELDED.															
D.F.-E.S.D.															
3 W.T.D.B. (1 SPT) 245 LB.															
Lloyd's Register Foundation															
W1166-0127 3/3															







PHL. REPT: No 7969.

Copies of plans "as built" for the Sister Vessel: M.V. Quincea Sun Yand. No 196 have been forwarded previously, a list of same is set out hereunder for reference:

Midship section.

Profile and Deck.

Rudder:

Stem frame v. Rudder Post.

Inner Bottom Plating aft:

Forecastle: Bridge v. Poop. DK. Plating: (3).

Upper DK. Plating: (5).

Shell expansion v. Shell plating: (5).

Typical O.T. Transverse Frames: (2): (20 plans in all)

Forging and Casting Reports.  
(copies herewith):

Upper middle v. Lower Stem frame  
Rudder Post.  
Upper Lower Rudder Casting.

PARTICULARS OF ELECTRIC WELDING (if employed) Vessel electrically welded throughout. Bulkheads, decks and shell welded in large panels, assembled on slipways and hand welded thereafter. Double Bottom tanks in way of machinery space all welded in shop except shell plating in way.

Approved "Union" and "Fleetweld" rods used in all hand operated welding, and approved "Unionweld" welding process used in way of all large panel assembly.

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.  
All electrically welded:

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	CERT. NO.					
	1st Bower	HEAD.	SHANK.	FTS.	J. K. H.	
	HEAD.	8950.	FTS.	SHANK.	3900.	FTS.
	2nd "	"	8950.	FTS.	"	3900.
	3rd "	"	8400.	FTS.	"	2750.
	STREAM:	"	8950.	FTS.	"	1350.
					J. K. H.	13547.
					J. K. H.	13548.
					J. K. H.	13546.
					J. K. H.	13545.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 108.5 ft., R.Q.D. ✓ ft., Bridge 35.1 ft., Forecastle 51.0 ft.

(in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated ✓

Official No. 240147. Signal Letters W. G. D. A: Extreme Breadth over Belting ✓ Over-all Length 547'-2 3/4" ✓  
(Circ. 1611) (Circ. 1708)

No. and Material of Decks STEEL:  
Parts of Bottom of Vessel coated with cement or approved composition For Peak 1st Peak Tank Cemented. — Bitumastic Enamel.  
in fore water tanks aft. — above line of cement in Peak — Du. forward Cofferdam — is after Cofferdam.  
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.	Water Capacity. Tons.	Where Fitted.	Length. Feet.	Water Capacity. Tons.
Double bottom, aft, used for fresh water only.	70.8.	304.	Fore peak tank,	24.0.	190.
Double bottom, under Engines and Boilers,			After peak tank,	18.0.	109.
Double bottom, if under Engines only,			Deep tank, aft,	✓	✓
Double bottom, if under Boilers only,			Deep tank, forward,	22.5.	421.
Double bottom, forward,			Other tanks, if fitted, Cofferdam Forward:	12.5.	247.
Total length (if continuous) and Capacity			(If necessary, furnish further information by sketch.) AFT:	3.5.	248.

Order for Special Survey No. 500	1940	AUG: 5. 19. 22. 28. SEPT: 4. 6. 9. 10. 16. 18. 20. 26.
Date 29. MARCH. 1940	1941	OCT: 1. 8. 9. 15. 19. 22. 29. 31. NOV: 4. 20. 25.
		DEC: 3. 4. 5. 10. 13. 16. 17. 18. 19. 20. 21. 24. 26. 28. 31.
		JAN: 2. 7. 8. 9. 13.
		MARCH: 16.

© 2021

Lloyd's Register  
Foundation