

STEEL STEAMER or MOTORSHIP.

Received at London Office

23 FEB 1943

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 OCTOBERPort of PHILADELPHIA PA. No. 8299Survey held at CHESTER PA.Date First Survey 4TH MARCH 1942 Last Survey 29 SEPTEMBER 1942.On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) SINGLE SCREW STEAMER MARKAYState Type (Full Scantling, Complete Superstructure with or without Tonnage Deck) FULL SCANTLING.State Type of Erections POOP, BRIDGE, ETC.TONNAGE under Tonnage Deck... 9024CLASS * 100 A.I. State if with freeboard as condition of ClassBuilt at CHESTER PA. U.S.A.

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 500.0Launched AUGUST 29, 1942 Yard No. 232Total 9024Breadth (greatest moulded) B 68.0Builders SUN SHIPBUILDING & D.D. CO.Gross Tonnage 10342Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 37.0Owners KEYSTONE TANKSHIP CORP.Register Tonnage 60871st Longitudinal Number (L x D) = 18500Managers KEYSTONE SHIPPING CO.

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

REGISTERED DIMENSIONS.
FEET.Length 503.9

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

Proportions—Depth to Length—Uppermost continuous deck to top of keel 13.5Residence 260 S. BRAD ST. PHILADELPHIA PA.Breadth 68.3

Do. Long Bridge to top of keel

Port of Registry WILMINGTON - DEL.Depth 36.9Draught Moulded 29-11 5/8 (EST.) 29-11 5/8

If surveyed while building, afloat, or in dry dock

BUILDING & 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.
FRAMES, Spacing amidships <u>LONG. FRAMES</u>	✓		Bracket Floors, Frame	✓	
" " from 1/2 length amidships to Collision bulkhead.....	✓		" " Reversed Frame	✓	
" " in peaks <u>24 AFT PEAK & 24 FORE PEAK TO 2ND DECK.</u>	✓		" " Vertical Struts	✓	
SIDE FRAMING, LONGITUDINAL.	✓		Centre Girder, depth and thickness amidships <u>54" x 56 IN. E. ROOM.</u>	✓	
Frame Amidships, Angle, [or [.....	✓		" " top Angles <u>WELDED TO TANK TOP</u>	✓	
" " Extends up to	✓		" " bottom Angles <u>WELDED TO FLAT KEEL</u>	✓	
Reversed Frame Amidships, Angle	✓		Side Girders, No. each side and thickness <u>52" x 46</u>	✓	
" " Extends up to	✓		" " <u>42" x 46</u>	✓	
Depth of Framing Girder	✓		Margin Plate depth (excl. of flange) and thickness	<u>NONE</u>	
Frames in Uppermost Continuous 'tween Decks, Angle, [or [.....	✓		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	✓	
" " Second 'tween Decks, Angle, [or [.....	✓		" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	✓	
" " Third " " " "	✓		" " Gussets, spacing and scantling abaft 1/2 len. from stem	✓	
" " from 1 len. for'd. to 15% len. from Stem	✓		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	✓	
<u>FORE PEAK 8 1/2" x 3 1/2" x 40. RIVETED. AFT PEAK 8 1/2" x 4 1/2" x 44. TOE WELDED BELOW SQ. FLAT. POOP DECK TO SQ. FLAT RIVETED.</u>	✓		Tank Side Brackets, height above base line at toe of Frame and thickness	✓	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	✓		" " <u>56 THRU-OUT ENG. ROOM.</u>	✓	
State if Frame Joggled	<u>NO.</u>		INNER BOTTOM PLATING.		
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	<u>YES.</u>		Breadth and thickness of Middle Line Strake	<u>SEAMS BUTT WELD.</u>	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	<u>YES.</u>		Thickness of remainder in Holds	✓	
SINGLE BOTTOM.			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?	<u>YES.</u>	
Floors, Depth and thickness at mid-line in Holds	✓		BEAMS.		
Height of Brackets at side above base line at toe of frame	✓		Uppermost Continuous Deck, amidships in Wells, Angle, [or [.....	<u>9" x 3 1/2" x 50 RIVETED.</u>	
Middle Line Keelson, on Floors, Angles, [or [.....	<u>90" x 50 E. GIR.</u>		" " in way of Bridge, Angle, [or [.....	✓	
" " Through Plate or Intercoastal Plate	<u>16" x 1-00 RIDER PL. ON E. GIR. WELDED.</u>		Spacing <u>FROM E. = 10 SP @ 30" 3 SP @ 36"</u>		
" " Foundation Plate on Floors	✓		Second Deck, amidships, Angle, [or [.....	<u>NONE</u>	
" " Flat Plate Keel Angles <u>E. GIR. WELD. TO FLAT KEEL.</u>	✓		Spacing	✓	
Side Keelsons, No. each side	✓		Third Deck, amidships, Angle, [or [.....	✓	
" " thickness of Intercoastal Plate	✓		Spacing	✓	
" " Angles	✓		Fourth Deck, amidships, Angle, [or [.....	✓	
DOUBLE BOTTOM.			Spacing	✓	
Solid Floors, thickness and spacing	<u>54" x 46 IN. E. ROOM.</u>		Poop Deck, Angle, [or [.....	<u>7" x 3 1/2" x 38 RIVETED.</u>	
" " Are Frame and Reversed Frame joggled?	<u>NO</u>		TRANSVERSE BEAMS		
Bracket Floors, breadth and thickness at middle line	✓		Spacing <u>28 1/2" FOR 1/2 OF A.P. BHD.</u>	<u>24 1/2" OF A.P. BHD.</u>	
" " breadth and thickness at margin plate	✓		Bridge Deck, Angle, [or [.....	<u>5" x 3" x 31 TOE WELDED.</u>	
			Spacing <u>16" @ 10 FT. 10 FT. 10 FT.</u>		
			Forecastle Deck, Angle, [or [.....	<u>6" x 3 1/2" x 44 TOE WELDED.</u>	
			Spacing	<u>30</u>	

Rp:

Framing
Frames
Frames
Dec

Spacing
Longitudinal
Frame

Double
Bottoms
1. for

FORGINGS and CASTINGS.

In Brid
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Upper 't
Deck

In Ho

Spacing

Longitudinal
Beams
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1m,10,29.

PARTICULARS OF LONGITUDINAL FRAMING.

YARD No 232- MARKAY
Phl. Rpt. No. 8299

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.		
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Diam.	Speng.	Inches.	Number.	Diameter.	
FLANGED PLATES.					FORWARD.			AFT.												
Framing of L, L or E					FOCLE SIDE.			POOP SIDE.												
Frames in Bridge 'tween Decks ...		L 7"	4"	44"	6" x 3 1/2" x 34"			8 1/8" x 3 1/2" x 46"						BRIDGE SIDE		LO. TO WELD IN FOCLE SIDE.		LONG. WELDED.		
Frames from Uppermost Continuous Deck No. 1		8 1/2"	3 1/2"	40"										7/8"		5 1/4"	THROUGHOUT.		8" x 38" x 1.00 BKTS ON INNER EDGE OF LONG. THRU BHS. WELDED.	
" 2		10"	3 1/2"	40"										7/8"		5 1/4"				
" 3		10"	3 1/2"	46"										7/8"		5 1/4"				
" 4		10"	3 1/4"	37 1/2"										7/8"		5 1/4"				
" 5		10"	3 1/4"	42 1/2"										7/8"		5 1/4"				
" 6		12"	3 1/4"	45"										7/8"		5 1/4"	12 Riv. Sp. 4"			
" 7		12"	3 1/4"	45"										7/8"		5 1/4"				
" 8		12"	3 1/2"	50"										7/8"		5 1/4"				
" 9		15"	3 1/4"	40"										7/8"		5 1/4"				
" 10		15"	3 1/4"	40"										7/8"		5 1/4"				
" 11		15"	3 1/4"	40"										7/8"		5 1/4"				
" 12		15"	4"	50"										7/8"		5 1/4"				
" 13		16"	4"	50"										7/8"		5 1/4"				
" 14		18"	5"	50"										7/8"		5 1/4"				
" 15		19"	5"	50"										7/8"		5 1/4"				
" 26		19"	5"	50"										7/8"		5 1/4"				
Spacing of Longitudinal Frames		Amidships 30"																		
		At Ends 27"																		
Double Bottoms L, L or E		Tank Top Longitudinals																		
		Bottom																		
Spacing of Longitudinals		Amidships																		
		At Ends...																		
Transverses.		BRIDGE.			FOCLE.			POOP.			Side Transverses in bridge 'tween dk 2 1/2" x 24" batt x 3"			Rivets in Lugs to Shell						
In Bridge 'tween Decks		FLG. PL. 15" x 44"			FLG. PL. 15" x 44"			TRANSV. BEAMS.			2 1/2" x 24" batt x 3"			WELDED.						
		4" FLG.			4" FLG.			3 1/2" x 3 1/2" x 38"			4" FLG.									
		WELDED.			WELDED.			RIVETED.												
		CENTRE TANK.			WING TANK.															
		FLG. PL. 24" x 50"			FLG. PL. 27" x 50"															
		5" in SEAKAY			5" FLG.															
In Upper 'tween Decks.		WELDED.			WELDED.															
		TRANS. TO SIDE SHELL			TRANS. TO LONG. BHD.			BOTTOM TRANS. CENTRE.			BOTT. TRANS. WING.									
		FLG. PL. 38" x 50"			FLG. PL. 39" x 45" x 50"			FLG. PL. 56" x 50"			FLG. PL. 52" x 50"			WELDED.						
		5" on plan as built			5" FLG.			7" FLG.			6" FLG.									
In Hold.		WELDED.			WELDED.			WELDED.			WELDED.									
Spacing of Transverse Frames																				
		State if joggled or liners.																		
Longitudinal Beams of L, L or E		L 5 3 8.2 lbs			L 9 3 1/2 23.8 lbs			See "STANVAC MELBOURNE"												
		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.

CHAIN CABLES.										HAWSERS AND WARPS.							
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.	
	Length.	Diam.	Statu- tory.	Break- ing.	Supplied.	Per Rule.	Length.	Diam.					Length.	Cir.		Length.	Cir.
1119	300	2 3/8"	319050	44660	101320	93 APPROVED	93 APPROVED	LINK.	DI-LOK STD	BALOT.	CHESTER 9/6/42	TOWLINE...	130	5 1/2"	192000	93 APPROVED	
											J.K.H.	2 @	100	8"	MANILA	"	
												HAWSEES & WARPS	100	8"	HAWSER	"	
												2 @	100	8"	MANILA	"	
												"	100	8"	WARPS	"	
Iron Stream Chain or Steel Wire	120	5 1/8"	180000			93 APPROVED				JOHN A. FROGLINGS, TRENTON, N.J.	SEP 1 1942						
										Sons. Com.	W.H. RICHMOND.						

Steering Chains (Size and Test)..... Windlass *AMERICAN ENG. CO 13x14 SPUR* Boats *4 STEEL-31 PERSONS-22'-0"*
Gears.

Cargo Hatchways.—(Upper Deck) *CIRCULAR STEEL WITH HINGED STEEL COVER.* Thickness of Hatches *FWD DRY CARGO HATCH, HINGED STEEL COVER.*

Size of Hatchways No. 1 (Fwd.) No. 2 No. 3 No. 4 No. 5 No. 6

Number of **Shifting Beams** }
and/or **Fore and Afters** }

Builder's Signature

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* **YES:**

(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo 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 ACCORDANCE WITH THE RULES, APPROVED PLANS AND OFFICIAL LETTERS RECEIVED.

THE WORKMANSHIP IS GOOD THROUGHOUT.

THE 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.

THE CHAIN CABLES AND ANCHORS WERE TESTED TO OUR REQUIREMENTS.

THE VESSEL IS FITTED WITH A DIRECTION FINDER & ECHO SOUNDING DEVICE.

A STEAM SMOTHERING SYSTEM IS FITTED TO ALL TANKS.

COPY OF INTERIM CERTIFICATE IS ATTACHED HERWITH.

Requirements of Section 20 of the Rules complied with. See letter 15.4.43

The amount of Entry Fee £	60.00 :	} Fees applied for, 30 th Nov. 1942 pubd. Received by me, 19
Special Survey Fee £	2501 ²⁰ :	
	as agreed.	
Travelling Expenses, if any £	67.00 :	

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

I am of opinion the Vessel should be Classed ~~as~~ 100 A. : *Carrying Petroleum in Bulk.*

State whether the Vessel has been built under Special Survey YES:

Signature J. T. Quinn SSM
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to New York Date of issue 2/4/43

Committee's Minute

Character assigned $\neq 100A1$

Carrying Petroleum in Bulk
+ LMC-9-42.

Yilled for oil fuel 9.42, FP above 150°F
(See endorsement)

NOTE - Part. Elec. Welded
hwy. framing.
Machy. apt.
Lloyd's Rec
D.F. - E.S.D.
2 WTB (Cpt) 500 lbs.
Elec. Insul.
Lloyd's Rec

11/10/2020
 D.F. - E.S.D.
 2 WTB (Cht) 500 lbs.
 11/10/2020
 Lloyd's Register
 Foundation

W996-0140 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 a List of the Plans should be embodied.)

COPIES OF THE FOLLOWING PLANS AS BUILT WERE FORWARDED WITH THE 1ST ENTRY REPORT FOR THE SISTERSHIP No 231- S.S. SEAKAY viz:-

MAOSHIP SECTION.

PROFILE & DECK.

RUDDER.

STERN FRAME & RUDDER POST.

INNER BOTTOM PLATING AFT.

FORE. DK. BRIDGE DK. & POOP DK. PLATING. (3)

UPPER DECK PLATING. (3)

SHELL EXPANSION & SHELL PLATING. (3)

TYPICAL O.T. TRANSVERSE FRAME.

O.T. TRANSVERSE BHD'S No 53-56 & 59 - 16 PLANS IN ALL.

FOUNDING & CASTING REPORTS.

(COPIES HERWITH)

UPPER, MIDDLE & LOWER STERN FRAME.

UPPER & LOWER RUDDER FRAME.

RUDDER STOCK.

PARTICULARS OF ELECTRIC WELDING (if employed) ALL WELDED CONSTRUCTION EXCEPT SIDE SHELL & DECK PLATING, THE SEAMS ONLY OF WHICH ARE RIVETED, BOTTOM SHELL TO TURN OF BILGE, BULKHEADS, INNER DOUBLE BOTTOMS ARE WELDED IN LARGE SECTIONS IN THE SHOP & ASSEMBLED ON SLIPWAY.

APPROVED MUREX & FLEETWELD POOLS USED IN ALL CASES WHERE HAD OPERATED, "UNION MELT" WELDING APPROVED 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.

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

1st Bower	HEGO. 7040 lbs	SHARK 3370 lbs	J.K.H. 14413.	23 JUNE 1942.
2nd "	" 6880 lbs	" 3370 lbs	" 14414.	" "
3rd "	" 7020 lbs	" 3385 lbs	" 14412.	" "
STRENGTH.	" 2886 lbs	" 894 lbs	" 14411.	" 36.0" 55.2"

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 98.05^{104.5} ft., Bridge 40.33^{40.5} ft., Forecastle 50.37^{50.5} ft. (in feet and tenths). When the Poop or Forecastle are joined to the B.D., this should be distinctly stated See letter 15.4.43

Official No. 242355. Signal Letters K.F.V.N. Extreme Breadth over Belting 520.0" (Circ. 1611) Over-all Length 520.0" (Circ. 1703)

No. and Material of Decks STEEL.

Parts of Bottom of Vessel coated with cement or approved composition DOUBLE BOTTOM APEXIOR - PEAKS BITUMASTIC & CEMENT WASH.

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, <i>FRAMES 11 to 26.</i>	<i>35-7 1/2"</i>	<i>45.72</i>	Fore peak tank,	<i>38-4 1/2"</i>	<i>360.08</i>	
Double bottom, under Engines and Boilers,	<i>—</i>	<i>—</i>	After peak tank,	<i>16-0"</i>	<i>65.00</i>	
Double bottom, if under Engines only, <i>FRAMES 31 to 52.</i>	<i>26-1 1/2"</i>	<i>50.28</i>	Deep tank, aft,	<i>NONE</i>		
Double bottom, if under Boilers only,	<i>✓</i>	<i>✓</i>	Deep tank, forward,	<i>FRAMES 73 to 89.</i>	<i>36-0</i>	<i>910.75.</i>
Double bottom, forward,	<i>✓</i>	<i>✓</i>	Other tanks, if fitted,	<i>COFFERDAM FORE</i>	<i>4-0"</i>	<i>279.73.</i>
Total length (if continuous) and Capacity	<i>✓</i>	<i>✓</i>	(If necessary, furnish further information by sketch.)	<i>COFFERDAM AFT.</i>	<i>3-6</i>	<i>153.84.</i>

1942.
MARCH. 4-9-16-17-31. APRIL. 6-8-15-21-22-28. MAY. 1-12-15-26-29.
JUNE. 1-8-11-12-15-20-27. JULY. 2-7-8-10-15-21-24-28-29-30-31.
AUG. 1-3-4-5-6-7-11-12-13-14-15-16-18-19-20-21-22-23-24-25.
26-27-28-29 SEP. 3-11-14-15-18-22-23-28-29.
Order for Special Survey No. 506.
Date 19th MARCH 1941.
Dates of Surveys held while building