

22 SEP 1949

29 SEP 1949

IN D.O.

State if Report has been sent on the Freeboard of the Vessel noState if Report is sent on the Machinery of the Vessel yesDate of completion of report 20th July, 1949 Port of Philadelphia, Pa. No. 9313Survey held at Chester, Pa. Date First Survey 6th December, 1948 Last Survey 27th June, 1949On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) Single Screw Steamer "RAS AL ARDH" EPHESOS DIS 648State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Full scantling State Type of Erections P B & FTONNAGE under Tonnage Deck 15623.72

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

Total 1988.85Gross Tonnage 17612.57Register Tonnage 10869

REGISTERED DIMENSIONS.

FEET.

th 602.2dth 82.7b 42.7CLASS 100A1State if with freeboard as condition of Class no

FEET.

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) 1600.0"Breadth (greatest moulded) 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) 42.6"1st Longitudinal Number (L x D) 255002nd Numeral L x (P + D) 75000Framing Depth "d," at middle of length. See Sec. 3 (1d) 14.1Proportions—Depth to Length—Uppermost continuous deck to top of keel 14.1

Do. Long Bridge to top of keel

Draught Moulded 32.2-3/4" assigned by ABSBuilt at Chester, Pa.Launched 1st June, 1949 Yard No. 569Builders Sun Shipbuilding & Dry Dock Co.Owners Kupan Transport Co.Managers Marine Transport Lines Inc.
(Where necessary to be entered in Reg. Book.)Residence 11 Broadway, New York, N.Y.Port of Registry Monrovia, Liberia

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.
AMES, Spacing amidships Longitudinal frames	-		Bracket Floors, Frame	-
" " from 3/4 length amidships to Collision bulkhead	-		" " Reversed Frame	-
" " 24" aft peak	-		" " Vertical Struts	-
" " in peaks 24" fore peak	-		Centre Girder, depth and thickness amidships	57"x.62" in eng.rm.
E FRAMING. Longitudinal	-		" " top Angles	welded to tank top
Frame Amidships, Angle, [or [	-		" " bottom Angles	welded to flat keel
" " Extends up to	-		Side Girders, No. each side and thickness	3 .50"
Reversed Frame Amidships, Angle	-		Margin Plate depth (excl. of flange) and thickness	none
" " Extends up to	-		" " Vertical Angle to Tank side Bracket abaft 1/4 len. from stem	-
th of Framing Girder	-		" " Vertical Angle to Tank side Bracket from forward 1/4 len. from stem to Panting Area	-
ues in Uppermost Continuous 'tween Decks, Angle [or [	-		" " Gussets, spacing and scantling abaft 1/4 len. from stem	-
" Second 'tween Decks, Angle, [or [	-		" " Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	-
" Third " " "	-		Tank Side Brackets, height above base line at toe of Frame and thickness	-
from 1/2 len. for'd. to 15% len. from Stem forepeak inverted angles	8" 4" .44"	See letter 30/1/49	INNER BOTTOM PLATING.	
in Peaks, Angle or [	7" 4" .44"	A.P.	Breadth and thickness of Middle Line Strake	.62" seams butt welded
aft peak inverted angles	6" 4" .44"	F.P.K. approved 9x4x.44	Thickness of remainder in Holds	-
meter and Spacing of Rivets through Frame and Shell Plating amidships	-		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
if Frame Joggled	no		BEAMS.	
the scantlings and arrangements in the nting Area in accordance with the Rules l/or as approved?	yes		Uppermost Continuous Deck, amidships in Wells, Angle [or [-
he scantlings and arrangements in way of the ttom Forward in accordance with the Rules l/or as approved?	yes		" " in way of Bridge, Angle, [or [-
LE BOTTOM.			Spacing	-
ors, Depth and thickness at mid-line in Holds	-		at ends toe welded	9" 4" .50"
Height of Brackets at side above base line at toe of frame	-		Second Deck, amidships, Angle, [or [	8" 4" .50"
iddle Line Keelson, on Floors, Angles, [or [	93"x.50" C. gird.		Spacing .30" & .24"	-
" " Through Plate or Intercoastal Plate	24"x.100" rider plt. on C. gird. welded		Third Deck, amidships, Angle, [or [-
" " Foundation Plate on Floors	-		Spacing	-
" " Flat Plate Keel Angles	C. girder welded to flat keel		Fourth Deck, amidships, Angle, [or [-
e Keelsons, No. each side	-		Spacing	-
" thickness of Intercoastal Plate	-		inverted	6" 4" .44"
" Angles	-		Poop Deck, Angle, [or [transv. beams	6" 4" .38"
BLE BOTTOM.			Spacing 28" & 29" fwd.	24" Aft of A.P. bhd.
d Floors, thickness and spacing	29" max. 57"x.51" in Eng. Rm. (welded)		inverted A.P. bhd.	-
" " Are Frame and Reversed Frame joggled?	no		Bridge Deck, Angle, [or [trans. beams	6" 4" .38" welded
Bracket Floors, breadth and thickness at middle line	-		Spacing 29-1/2"	-
" " breadth and thickness at margin plate	-		inverted	-
			Forecastle Deck, Angle, [or [trans. beams	6" 4" .38" welded
			Spacing .21.6" & .21.0"	-

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.....				
" in 'tween Decks, Size and Spacing.....				
" " " " "				
" in Holds " "		Vertical webs of transv. bulkheads ✓		
" " " " "				
Wing Center Line Bulkhead 20'0" off center line inverted L's or flg pits. ✓	7"	to 14" toe welded spaced 2'6" ✓		
Stiffeners and Spacing				
Plating, thickness of.....	42"	to 56" ✓		
STRINGERS AND DECKS.				
Uppermost Continuous Deck.				
Stringer Plate, breadth and thickness in Wells	116"	x 1.18" ✓		
" " " " in way of Bridge	116"	x 1.18" (24"x75" abt. pit.) ✓		
" Angle in Wells	L 8"x8"x1-1/8"	riveted ✓		
Thickness of Plating abreast Deck openings} in way of Wells	1.18	✓		
Thickness of Plating abreast Deck openings} in way of Bridge	"			
Thickness of Plating within line of openings..	.91	✓		
If Sheathed, material and thickness	unsheathed	✓		
Second Deck. at ends only				
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.....	-			
Third Deck.				
Stringer Plate, breadth and thickness.....	none	✓		
If Plated, state thickness.....	-			
Fourth Deck.				
Stringer Plate, breadth and thickness.....	-			
If plated, state thickness.....	-			
Poop Deck.				
Stringer Plate, breadth and thickness.....	63" &	80"x .42" ✓		
Plating, sheathing, material and thickness.....	.34"	steel ✓		
Bridge Deck.				
Stringer Plate, breadth and thickness.....	87-1/2"x .48"	✓		
Plating, sheathing, material and thickness.....	.34"	✓		
Forecastle Deck.				
Stringer Plate, breadth and thickness.....	60"x .47	✓		
Plating, sheathing, material and thickness.....	27" &	31" .62 under wls ✓		

SHELL PLATING.

[illegible]

WATERTIGHT BULKHEADS.

WATERTIGHT BULKHEADS.						WATERTIGHT BULKHEADS.					
Total No. of W.T. BULKHEADS in Vessel—						Casting or Forging.					
Extending to Upper Deck (Sec. 3 c) 16 complete transv. O.T. &						Scantlings.					
Deck next below W.T. Bulkheads						Maker's Name.					
As per Rule as approved						Any from Plans					
		Plating Thickness.	STIFFENERS.				KEEL, Bar	STEM	Stern Frame	Speed of Vessel	RUDDER—Type
			VERTICAL.		HORIZONTAL.						
			Scantlings.	Spacing.	Scantlings.	Spacing.					
center tank		.42"			7" to 18"						
MIDSHIP BULKHEAD		.56"			inverted 30"						
" Second		.42"			7" to 14"						
" wing		.56"			inverted 30"						
" Holds		.56"									
COLLISION " (in Hold)		.40"	11 1/2" x 4"	30"	toe welded						
AFTER PEAK "		.50"	10" x 4"	30"	toe welded						
Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)						Open hearth steel					
Carnegie Illinois Steel Corp., Bethlehem Steel Co., Worth Steel Co. & Lukens Steel Co.						Lloyd's Register					
Has the Steel been tested as required by the Rules?						yes					

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. Inches.	Rivets in Brackets to Bulkheads.	
	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Ins.	Diam.	Speng.	Number.		Diameter.	
Flanged plates of L, XXXX inverted				Forward			Aft										
Bridge 'tween Decks ...	L 6"x4"x 38"			Vertical													
From Uppermost Continuous No. 1	L 7"x4"x.50" ✓																
" 2	L 7" x4"x.50" ✓																
" 3	L 8"x4"x.44" ✓																
" 4	L 8"x4"x.44" ✓																
" 5	Flg. Plt. 9"x4"x.44" ✓																
" 6	10"x4"x.44" ✓																
" 7	10"x4"x.50" ✓																
" 8	11"x4"x.44" ✓																
" 9	12"x4"x.44" ✓																
" 10	12"x4"x.50" ✓																
" 11	13"x4"x.44" ✓																
" 12	13"x4"x.50" ✓																
" 13	14"x4"x.44" ✓																
" 14	15"x4"x.44" ✓																
" 15	17"x4"x.50" ✓																
" 16	17"x.4"x.50" ✓																
Amidships 30" ✓	34" 18"x5"x.50" ✓																
At Ends 30" ✓	at bilge																
Tank Top Longitudinals																	
Bottom "																	
Longitudinals { Amidships																	
At Ends...																	
Transverses.																	
Depth and Thickness	18" x .50"																
Face Angles	5" flg.																
Lugs to Shell*	welded																
Depth and Thickness	center tank 36"x.50" ✓			wing tank 36"x.50" ✓													
Face Angles	5" x 50 f.plt 8"x.56" f.plt.																
Lugs to Shell*	welded			welded													
Depth and Thickness	transv. to side 36" to 54"x.50" ✓			transv. to long. bottom trans. 36" to 51"x.50" ✓				bottom trans. 54" x .50" ✓				bottom trans. wing 54"x .50" ✓					
Face Angles	8" x .56" f.plt 8"x.56" f.plt.			8"x.56" f.plt.				6" x.50" f.plt.				8" x.56" f.plt.					
Lugs to Shell*	welded			welded				welded				welded					
" , Back Bars ...																	
Brackets	86"x96" x.50" continuous web																
Transverse Frames																	
Double or liners.																	
Bridge Deck ...																	
Upper "	L8" x4"x.50" ✓																
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.

Barangay Municipality
Pitted by oil 11/11/11
010355-010361-0227 2/3
MCHY AFT.

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 List of the Plans should be embodied.)

This vessel is the second of two sister ships and of seven other similar vessels to be constructed by the same builders. The working plans are being retained for use in the survey of these vessels. Enclosed herewith are blueprints of midship section plan, profile and deck plan.

PARTICULARS OF ELECTRIC WELDING (if employed) All welded construction except upper deck stringer angle seams of sheer and bilge strakes and sheerstrake and upper deck stringer plate doublers which are riveted. Large sections were preassembled 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 6,49 F.P. above 150° F. Electrically welded, D.F. E.S.D., Gyc.

Particulars of Drop Test of Cast Steel Anchors, viz:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	15584 lbs.	JKH	BC 15685	20-10-48	Head & shank dropped
	2nd "	15569	JKH	BC 15686	20-10-48	" " " "
	3rd "	15669	JKH	BC 15687	20-10-48	" " " "
	Stream	5950	JKH	BC 15684	20-10-48	" " " "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 129'3" ft., R.Q.D. - ft., Bridge 38'9" ft., 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. Signal Letters 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 Fore and aft peak and d.b. tanks coated with No.26 metallic brown fresh water tanks coated with cement wash.

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)

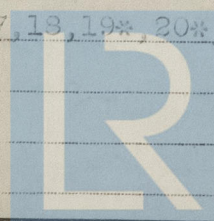
Where Fitted.	Length.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
	Feet.	Tons.		Feet.	Tons.
Double bottom, aft,	-	-	Fore peak tank,	36'0"	413.
Double bottom, under Engines and Boilers, Aft	94'0"	308.26	After peak tank,	24'0"	155.
Double bottom, if under Engines only,	-	-	Deep tank, aft,	-	-
Double bottom, if under Boilers only,	-	-	Deep tank, forward,	42'0"	1374
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

Dec. 6, 13, 15, 24. Jan. 5, 10, 12, Feb. 16, 17, 23*, Mar. 1, 2, 8, 16, 21, 25, 31, Apr. 1*, 4, 5*, 6*, 7*, 8*, 11*, 12, 13**, 14, 15*, 18, 19*, 20, 21, 22, 25*, 26*, 27*, 28
May, 3, 4*, 5*, 6*, 9, 10, 11*, 12*, 13, 16*, 17, 18, 19*, 20*, 24, 31 June 1, 2, 3, 21, 27.
*2 visits; ** 3 visits.



Lloyd's Register Foundation
Total No. of Visits 82

for S.S.O.F. see "Kumait" V.D. No. 567