

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

State if Report is sent on the Machinery of the Vessel Yes.

Date of completion of report

Port of

Liverpool.

No. 94350.

Survey held at Quinsigamond, W. Chester Date First Survey 22<sup>nd</sup> Feby /28. Last Survey 10<sup>th</sup> September 1928

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

TWIN SCREW M.V. ENERGIE

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

State Type of Erections *Prop + 1/2 cl*

**TONNAGE under }  
Tonnage Deck... }**

CLASS <sup>100A1.</sup> *Carrying Petroleum* State if with freeboard } No. *20.*  
*in Bulk.* as condition of Class }

Built at Queensferry near Chester

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

Length from fore part of stem to after part of stern } L 150.00  
post on summer L.W.L. See Sec. 3 (1a) }

Launched 18<sup>th</sup> July 1928 Yard No. 535

**Total** 300.19

**Breadth** (*greatest moulded*) ..... B **24.50**

Builders *J. J. Abdala + Mitchell (1926) Lc.*

Gross Tonnage 432.68.

**Depth,** at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) ..... } **D** 10.75

Owners Midway oil & Storage Co. Ltd.

Register Tonnage 225.16.

1st Longitudinal Number (L x D).....= 1612.5

Managers

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

**REGISTERED DIMENSIONS.**  
FEET.

**Framing Depth "d,"** at middle of length. See } 9.66  
Sec. 3 (1d)

Residence *Grain Hall, Isle of Grain, Kent.*

Length 150.2.

**Proportions**—Depth to Length—Uppermost continuous deck to top of keel } 13.95

Port of Registry Rochester

Breadth 27.6

Do. Long Bridge to top } ✓

*If surveyed while building, afloat, or in dry dock*

Depth 10. 2.

**Draught Moulded** ..... *Corresponding to original of Keel* ..... *10'-0 7/8"*

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.
<b>FRAMES, Spacing amidships</b> .....		21		✓	<b>Bracket Floors, Frame</b> .....			✓	
" " from 1/2 length to Collision } bulkhead.....}		21		✓	" " Reversed Frame .....			✓	
" " in peaks.....		21		✓	" " Vertical Struts .....			✓	
<b>SIDE FRAMING.</b>					<b>Centre Girder, depth and thickness amidships</b>			✓	
<b>Frame Amidships, Angle, E or F</b> .....	4	2 1/2	.32	✓	" " top Angles .....			✓	
" " Extends up to .....		Deck.			" " bottom Angles .....			✓	
<b>Reversed Frame Amidships, Angle</b> .....	2 1/2	2 1/2	.28	✓	<b>Side Girders, No. each side and thickness</b> .....			✓	
" " Extends up to .....		Across floor.			<b>Margin Plate depth (excl. of flange) and thickness</b> .....			✓	
<b>Depth of Framing Girder</b> .....	4			✓	" " Vertical Angle to Tank side } Bracket abaft 1/2 len. from stem .....			✓	
<b>Frames in Uppermost Continuous 'tween } Decks, Angle, [ or [</b> .....}		✓			" " Vertical Angle to Tank side } Bracket forward 1/2 len. from stem .....			✓	
" " <b>Second 'tween Decks, Angle, [ or [</b>		✓			" " Gussets, spacing and scantling } abaft 1/2 len. from stem.....}			✓	
" " <b>Third</b> " " " "		✓			" " Gussets, spacing and scantling } forward 1/2 len. from stem.....}			✓	
<b>Framing in Peaks, Angle E or F</b> .....	4	2 1/2	.30	✓	<b>Tank Side Brackets, height above base line at toe of Frame and thickness</b>			✓	
<b>Diameter and Spacing of Rivets through Frame and Shell Plating amidships</b> .....	3/4	3/4	3/4	✓					
<b>State if Frame Joggled</b> .....		No.			<b>INNER BOTTOM PLATING.</b>				
<b>PANTING ARRANGEMENTS</b> (Sec. 7), state system and particulars)		Double frame for 1/2 L. L. (see plan) + side stringers			Breadth and thickness of Middle Line Strake ...			✓	
<b>STRENGTHENING OF BOTTOM FORWARD.</b> State Particulars .....		Mid. Keelson 9. Bottom plating carried forward as per rule.			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 ?.....}			✓	
<b>Floors, Depth and thickness at mid-line in Holds</b> .....	1/3	.28	1/2 .32	✓	<b>BEAMS.</b>				
Height of Brackets at side above base line at toe of frame .....		27 1/2		✓	<b>Uppermost Continuous Deck, amidships } in Wells, Angle, E or F</b>	4 1/2	3	.32	✓
<b>Middle Line Keelson, on Floors, Angles, E or F</b> .....	3	3	.36	✓	" " in way of Bridge, Angle, E or F .....	4	2 1/2	.30	✓
" " " Through Plate } Intercoastal Plate .....		.34		✓	Spacing .....		21		
" " " Foundation Plate on Floors .....	1/2	.34		✓	<b>Second Deck, amidships, Angle, [ or [</b> .....			✓	
" " " Flat Plate Keel Angles .....	3 1/2	3 1/2	.36	✓	Spacing .....			✓	
<b>Side Keelsons, No. each side</b> .....		2		✓	<b>Third Deck, amidships, Angle, [ or [</b> .....			✓	
" " thickness of Intercoastal Plate...		.28		✓	Spacing .....			✓	
" " Angles .....	3	3	.28	✓	<b>Fourth Deck, amidships, Angle, [ or [</b> .....			✓	
	3	3	.36	✓	Spacing .....			✓	
<b>DOUBLE BOTTOM.</b>					<b>Poop Deck, Angle, E or F</b> .....	6-3	.30	.40	✓
<b>Solid Floors, thickness and spacing</b> .....		✓			Spacing .....		42		
" " Are Frame and Reversed Frame } joggled ?.....}		✓			<b>Bridge Deck, Angle, [ or [</b> .....			✓	
<b>Bracket Floors, breadth and thickness at middle line</b> .....}		✓			Spacing .....			✓	
" " breadth and thickness at margin plate.....}		✓			<b>Forecastle Deck, Angle, E or F</b> .....	6	3	.40	✓
					Spacing .....		42		



## PILLARS AND DECKS.

PILLARS, No. of Rows.....	INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.		INCHES IN SHIP.		Any Departure from Approved Plans to be Noted.
	Breadth.	Thickness.			Breadth.	Thickness.	
Centre Line Bulkhead.	2 1/4	2					
Stiffeners and Spacing.....	3 1/4	2 1/4					
Plating, thickness of .....	3 1/4	2 1/4					
STRINGERS AND DECKS.							
Uppermost Continuous Deck.							
Stringer Plate, breadth and thickness in Wells	3 1/4	.38					
Stringer Plate, breadth and thickness in way of Bridge	3 1/4	.38					
Angle in Wells .....	5	5	.38				
Thickness of Plating abreast Deck openings in way of Wells .....	3 1/4						
Thickness of Plating abreast Deck openings in way of Bridge .....	3 1/4	.32					
Thickness of Plating within line of openings...	3 1/4						
If Sheathed, material and thickness .....	H.P.	2 1/2					
Second Deck.							
Stringer Plate, breadth and thickness in Wells...							
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.....							
If Plated, state thickness.....							
Fourth Deck.							
Stringer Plate, breadth and thickness.....							
If Plated, state thickness .....							
Poop Deck.							
Stringer Plate, breadth and thickness .....	15	.24					
Plating, Sheathing, material and thickness .....	2 way of Deck	.38					
Bridge Deck.							
Stringer Plate, breadth and thickness.....							
Plating, Sheathing, material and thickness .....							
Forecastle Deck.							
Stringer Plate, breadth and thickness .....	15	.24					
Plating, Sheathing, material and thickness .....	3/16 Under Head	.24					

## SHELL PLATING.

SCANTLINGS.						RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES <i>Joggled clear of riv.</i>			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.			Inches.	Inches.		Inches.	Inches.		
FLAT PLATE KEEL .....	38	.58	.40	.44		2R	7/8	3 1/2	3R.	7/8	3 1/2	Strapped	
„ DBLG. (if any)	✓												
BOTTOM PLATING, No. of Strakes .....3.....	44	.34	.34	.34	✓		7/8	2 1/2 in long 3 1/2 in clear	2R	7/8	2 3/16	Lapped.	
BILGE PLATING, No. of Strakes .....1.....	52	.34	.30	.30	✓				2R				
SIDE PLATING, No. of Strakes .....2.....	36	.34	.30	.30	✓				2R				
UPPER DECK, Sheer-strake in Wells.....	43	.38	.30	.30	✓					3/4	2 5/8		
UPPER DECK, Sheer-strake in Bridge ...	✓	Sheerstrake increased to .58				at Poop Bulkhead. ✓							
STRAKE BELOW Sheer-strake in Wells.....	36	.36	.30	.30	✓				2R.	7/8	2 3/16		
STRAKE BELOW Sheer-strake in Bridge ...				.24	✓	1R.	7/8	2 13/16	1R				
POOP SIDE PLATING .....													
BRIDGE SIDE PLATING ...						1R.			1R				
FORECASTLE SIDE PLATING			.24		✓								

## WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	8
Extending to Upper Deck (Sec. 3 c) .....	8
Deck next below .....	8
As per Rule .....	8

	Plating Thickness.	STIFFENERS.	
		VERTICAL.	HORIZONTAL.
		Scantlings / Spacing.	Scantlings / Spacing.
MIDSHIP BULKHEAD, Upper tween decks	1		
" " Second "	1		
" " Third "	1		
" " Holds .....	1		
COLLISION " (in Hold) .....	1		
AFTER PEAK " .....	1		

## FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar .....				
STEM .....				
STERN FRAME { Propeller Post .....				
{ Rudder .....				
RUDDER—A x D .....				
Speed of Vessel .....				
RUDDER mainpiece at head .....				
" " heel .....				
" how constructed .....				
" double or single plate .....				
" coupling, vertical or horizontal .....				

## STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) *Siemens-Martin Open*

*Harsh Process: - Carnegie Steel Co., Bessemer Steel Co., Skinner's Steel Works, Dorman Long Co., The Lancashire Steel Co.*

Has the Steel been tested as required by the Rules? *Yes*







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.)

Bulkhead Plan Sheet N<sup>o</sup> 1, Bulkhead Plan, Sheet N<sup>o</sup> 2, Oil Fuel Tank, Expansion Tank, Motor Sealing & A Bracket, Airtight Pumps, General Arrangement (as built).

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

1st Bower ✓

2nd " ✓

3rd " ✓

**PARTICULARS FOR RECORD in the REGISTER BOOK.**—Length of Poop 47.25 ft., R.Q.D. ✓ ft., Bridge ✓ ft., Forecastle 22.25 ft. (in feet and tenths). When the Poop is joined to the B.D., this should be distinctly stated ✓

No. and Material of Decks (this information is to be given as it should appear in the Register Book) 1 DE (Sec)

Official No. 160692; Signal Letters ✓

Is bottom of Vessel coated with cement ✓ if not give

particulars of composition Oil in Engine Room only, Lead in Cargo Hold - Red Lead.

**PARTICULARS OF WATER BALLAST.**—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	✓	✓	Fore peak tank,	✓ 15	22
Double bottom, under Engines and Boilers,	✓	✓	After peak tank,	✓	✓
Double bottom, if under Engines only,	✓	✓	Deep tank, aft,	✓	✓
Double bottom, if under Boilers only,	✓	✓	Deep tank, forward,	✓	✓
Double bottom, forward,	✓	✓	Other tanks, if fitted,	✓	✓
Total capacity of double bottom		✓	(If necessary, furnish further information by sketch.)		

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

Order for Special Survey No. 1208

Date 8/12/27

Dates of Surveys held while building

1928.

Feb 22, Mar 8, 21, 29, Apr 20, May 2, 8, 21, 30, June 1, 12, 18, 20, 22, 23, 26, 27, July 10, 11, 12, 16, 17, 18, Aug 1, 9, 19, 31, Sept 10.

Total No. of Visits 28