

90925
11 JAN 1957STEEL ~~STEAMER~~ OR MOTORSHIP.

Received at London Office 29 DEC 1956

State if Report has been sent on the Freeboard of the Vessel No. _____

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

Date of completion of report 28-12-56. Port of MILFORD HAVEN. No. 8137.

Survey held at Pembroke Dock. Date First Survey 28-7-55. Last Survey 10-12-1956.

On the (State if Machinery fitted Aft and Single, Twin or Triple Screw) Single Screw Motor Trawler "NORRARD STAR".

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) One Deck Steel. State Type of Erections Open Forecastle.

TONNAGE under Tonnage Deck 151.64.

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

Total

Gross Tonnage 167.02

Register Tonnage 55.71

REGISTERED DIMENSIONS.
FEET

Length 101.0

Breadth 23.15

Depth 12.35

CLASS 100A Motor Trawler State if with freeboard as condition of Class No. _____

Length from fore part of stem to after part of stern post on summer L.W.L. See Sec. 3 (1a) L 95.5

Breadth (greatest moulded) B 23.0

Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) D 11'9".

1st Longitudinal Number (L x D) = 1110

2nd Numeral L x (B + D) = 3318

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

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

Do. Long Bridge to top of keel

Draught Moulded

Built at Pembroke Dock.

Launched 9-7-56. Yard No. 505.

Builders R.S. Hayes, Ltd. Pembroke Dock.

Owners Norrard Trawlers, Ltd.

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

Residence Milford Haven.

Port of Registry Milford Haven.

If surveyed while building, afloat, or in dry dock

During Construction.

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	21"		Bracket Floors, Frame	-	
from 1/2 length amidships to Collision bulkhead	21"		" " Reversed Frame	-	
" in peaks	21"		" " Vertical Struts	-	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	-	
Frame Amidships, Angle, [or [	3.5 3" 3/8		" " top Angles	-	
Extends up to	Upper Deck		" " bottom Angles	-	
Reversed Frame Amidships, Angle			Side Girders, No. each side and thickness	-	
Extends up to			Margin Plate depth (excl. of flange) and thickness	-	
Depth of Framing Girders	3 1/2		" " Vertical Angle to Tank side Bracket abaft 1/2 len. from stem	-	
Frames in Uppermost Continuous 'tween Decks, Angle, [or [	-		" " Vertical Angle to Tank side Bracket from forward 1/2 len. from stem to Panting Area	-	
" " Second 'tween Decks, Angle, [or [	-		" " Gussets, spacing and scantling abaft 1/2 len. from stem	-	
" " Third " " " "	-		" " Gussets, spacing and scantling from forward 1/2 len. from stem to Panting Area	-	
" from 1/2 len. for'd. to 15% len. from Stem	3 1/2 3 3/8		Tank Side Brackets, height above base line at toe of Frame and thickness	-	
" in Peaks, Angle or [	3 1/2 3 3/8		INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	5/8 4 3/8		Breadth and thickness of Middle Line Strake	-	
State if Frame Joggled	No.		Thickness of remainder in Holds	-	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or as approved?	As Approved.		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?	-	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes.		BEAMS.		
SINGLE BOTTOM.			Uppermost Continuous Deck, amidships in Wells, Angle, [or [	4" X 3" X .40	
Floors, Depth and thickness at mid-line in Holds	15" X .34		" " in way of Bridge, Angle, [or [	21"	
Height of Brackets at side above base line at toe of frame	30 1/4" X .38		Spacing	-	
Middle Line Keelson, on Floors, Angles, [or [	7" X 3 1/2" X .42		Second Deck, amidships, Angle, [or [-	
" " " Through Plate or Inter-costal Plate	=		Spacing	-	
" " " Foundation Plate on Floors	-		Third Deck, amidships, Angle, [or [-	
" " " Flat Plate Keel Angles	-		Spacing	-	
Side Keelsons, No. each side	2		Fourth Deck, amidships, Angle, [or [-	
" " thickness of Inter-costal Plate	5" X 4" X .36		Spacing	-	
" " Angles	3" X 3" X .31		Poop Deck, Angle, [or [-	
" " Angles	3" X 3" X .31		Spacing	-	
DOUBLE BOTTOM.			Bridge Deck, Angle, [or [-	
Solid Floors, thickness and spacing	-		Spacing	-	
" " Are Frame and Reversed Frame joggled?	-		Forecastle Deck, Angle, [or [	4.5 X 3" X .30	
Bracket Floors, breadth and thickness at middle line	-		Spacing	21"	
" " breadth and thickness at margin plate	-				

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 One Each Side.				Stringer Plate, breadth and thickness in way of Bridge			
" in 'tween Decks, Size and Spacing				Thickness of Plating abreast Deck openings in way of Wells			
" In Accommodation Tubular 2 1/2" Diam X 5/16"				Thickness of Plating abreast Deck openings in way of Bridge			
Channel in Hold Two Rows P. & Starb 2 1/2" X 1 1/4"				Thickness of Plating within line of openings			
In E. Room 1 Row P & S Tubular 3" Diam X 5/16"				If Sheathed, material and thickness			
Centre Line Bulkhead. Stiffeners and Spacing				Third Deck. Stringer Plate, breadth and thickness			
Plating, thickness of				If Plated, state thickness			
STRINGERS AND DECKS. Uppermost Continuous Deck.				Fourth Deck. Stringer Plate, breadth and thickness			
Stringer Plate, breadth and thickness 4 3/4" X .30/.26 at ends.				If Plated, state thickness			
" " " " in way of Bridge				Poop Deck. Stringer Plate, breadth and thickness			
" Angle in Wells 3" X 3" X 3/8"				Plating, Sheathing, material and thickness			
Thickness of Plating abreast Deck openings in way of Wells .30"				Bridge Deck. Stringer Plate, breadth and thickness			
Thickness of Plating abreast Deck openings in way of Bridge .30"				Plating, Sheathing, material and thickness			
Thickness of Plating within line of openings .26"				Forecastle Deck. Stringer Plate, breadth and thickness 16" X .28			
If Sheathed, material and thickness 2 1/2" Thick. Afrosomia.				Plating, Sheathing, material and thickness 3" Douglas Fir.			
Second Deck. Accommodation Flat. Stringer Plate, breadth and thickness in Wells .26 Welded to Shell.							

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES.			BUTTS.			
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		No. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.
	Breadth. Inches.	Thickness. Inches.	Thickness. Inches.	Thickness. Inches.			Diam. Inches.	Spacing cr. to cr. Inches.		Diam. Inches.	Spacing cr. to cr. Inches.	
Bar Keel. 33"	.36	.34	.34			Two Rows Reeled.	7/8	4 1/2	Butt Welded.			
" Dblg. (if any)												
Bottom Plating, No. of Strakes One.	64"	.34	.30	.30		Double.	5/8	3"				
Bilge Plating, No. of Strakes One.	56"	.34	.30	.30		Double	5/8	3"				
Side Plating, No. of Strakes												
Upper Deck, Sheer-strake XXVW	48"	.38	.30	.30		Double	5/8	3"				
Upper Deck, Sheer-strake in Bridge												
Strake below Sheer-strake XXVW	54"	.38 in way of Gallows.	.30	.30		Double	5/8	3"				
Strake below Sheer-strake in Bridge												
Poop Side Plating												
Bridge Side Plating												
Forecastle Side Plating		.30/.36				Single	5/8	3"	Butt Welded.			

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	
Extending to Upper Deck (Sec. 3 c)	4
" Deck next below	-
As per Rule	4

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar	✓	7" x 1 1/4"	Colville. Mother	
STEM	✓	7" x 1 1/4"		
STERN FRAME	Propeller Post ✓	4" x 1 1/4"		
	Rudder ✓	8 1/2" x 2"		
Speed of Vessel	✓	Under 10 Knots.		
RUDDER—Type	✓	Double Flat Plate.		
" A x D.	5 1/2" x 27"			
" Diam. of head	5 1/2"	Tapering to 4"		
" Mainpiece at top pintle	5 1/2" x 3" x 1 1/2" H Section	Fabricated		
" heel				
" how constructed	✓	Fabricated.		
" double or single plate	✓	Double.		
" coupling, vertical or horizontal	✓	Horizontal.		

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		Scantlings.	Spacing.	Scantlings.	Spacing.
MIDSHIP BULKH'D, Upper 'tween decks					
" Second					
" No. 47.	.34/.30	6" x 3" x 3/8"	30"		
" Holds	31	.38/.30	5" x 3" x 1/2"	30"	
COLLISION (in Hold)	54	.34/.30	4" x 3" x 1/2"	24"	
AFTER PEAK	8/3	.45	4 1/2" x 3" x 5/16"	24"	

STEEL. Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) **Open Hearth. Colvilles.**

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

ANCHORS.

CHAIN CABLES.

HAWSERS AND WARPS Phillips

Iron Stream }
Chain or }
Steel Wire }

LPHCH LPHCH

Insulation

Cement.

Store.

Ice.

FOR AND ON BEHALF OF

R. S. HAYES (Pembroke Dock) LTD.

Builder's Signature

(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo

be indicated, together with the flash point (where required to be inserted in the Notation).

The positions in which oil is carried as fuel or cargo should

This Motor Trawler has been built under Special Survey in conformity with the Societys Rules and Regulations and the Secretarys letters. The scantlings and arrangements of the vessel are as given in this report, shown and ammended on the approved plans and arrangements made during construction have been approved as being in accordance or equivalent to the Rule requirements.

Fees applied for,

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

28-12-19 56.

Received by me.

received by me,

[illegible]

The Motor Trawler
We are of ~~XXXXXX~~ opinion the Vessel should be Classed ~~XXXXXX~~ Fl00Al.

Signature W. Hemmings & J. O. Van
Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to Mal Date of issue 10/3/37

Committee's Minute

Character assigned _____ 7100 AK

Motor Trawler

LACP

+ LMC 12.56

OG.

NOTED FOR
POSTING
1523

Write Mil

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Lloyd's Register
Foundation

0063 2/2

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.)

NONE.

This Motor Trawler has now been completed and in good and efficient condition. The workmanship is good throughout the materials used tested as required by the Rules. The peaks, fresh water tanks and oil fuel tanks (bunkers) have been tested to Rule requirements, watertight bulkheads and flats and exposed weather decks have been hose tested with satisfactory results. Bilge and oil fuel pumping arrangements are in accordance with approved plans and the requirements of the Rules and have been tested under working conditions and found in order. Steering Gear together with auxiliary steering arrangements have also been operated under working conditions and proved in order.

Cement omitted on the bottom in way of the engines, (See Secretary Letter Dated 9th October, 1956 Ref. Ship.)

PARTICULARS OF ELECTRIC WELDING (if employed)

Deck seams and butts, shell butts, bilge keels, shell chafing bars, fabricated rudder, sternframe, boss plating, casings, oil fuel tanks, bulkheads seams and stiffeners.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book

RADAR Equipment (State if fitted)

State Type or Pattern No.

State Name of Maker and/or Supplier

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

1st Bower 3-0-18 AEG. 6649. 24-1-56.

2nd „ 3-0-14 AEG. 6703. 7-2-56.

3rd „

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop — ft., R.Q.D. — ft., Bridge — ft., Forecastle 16.5 ft.

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

Official No. 300156. Signal Letters Not received. Extreme Breadth over Belting 23' 3 3/4" (Circ. 1611) Over-all Length 107.4 (Circ. 1703)

No. and Material of Decks 1. Steel.

Parts of Bottom of Vessel coated with cement or approved composition Fish Hold cemented, Ford. & After peaks spaces and after well.

Particulars of composition (if fitted) and of approval Bitumastic in fishhold behind insulation, decks and bulkheads.

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,			Fore peak tank,	8	7
Double bottom, under Engines and Boilers,			After peak tank,	8	2
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, FW Port FW Starb.	3'6" each	2 each.
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

28-7-55. 19-8-55. 22-8-55. 31-10-55. 7-11-55. 24-11-55. 28-11-55. 7-12-55.
16-12-55. 19-1-56. 26-1-56. 8-2-56. 16-2-56. 23-2-56. 5-3-56. 14-3-56. 22-3-56.
23-3-56. 3-4-56. 9-4-56. 17-4-56. 26-4-56. 1-5-56. 3-5-56. 11-5-56. 18-5-56.
28-5-56. 30-5-56. 6-6-56. 21-6-56. 26-6-56. 29-6-56. 1-11-56. 14-11-56.
10-12-56.

Total No. of Visits 35.