

Rpt. 1

Nun
Cert

SECTION

No. 935

N/N WATFORD TRADER
STEEL STEAMER OR MOTORSHIP.

12 JAN 1953

Received at London Office

WRECK

SECTION

No. 935

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 9th January 1953 Port of Gothenburg No. 19510
Survey held at Gothenburg Date First Survey 15th February Last Survey 20th December 1952

On the (State if Machinery fitted Aft and if Single, Twin or Triple Screw) Single Screw Motor Tanker "P E T R A D A N" (Machinery fitted aft)

State Type (Full Scantling, Complete Superstructure with or without Tonnage Openings) Full scantling State Type of Erections and Forecastle Poop, Bridge

TONNAGE under Tonnage Deck ...

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

Total

Gross Tonnage 10843.04

Register Tonnage 6146.37

REGISTERED DIMENSIONS.

FEET

Length 523.0

Breadth 64.3

Depth 36.5

CLASS +100A1

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 516' - 0"

Breadth (greatest moulded) B 64' - 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 38' - 6"

1st Longitudinal Number (L x D) =

2nd Numeral L x (B + D) = 52374

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

Proportions—Depth to Length—Uppermost continuous deck to top of keel $\frac{516.0}{38.5} = 13.4$

Do. Long Bridge to top of keel =

Draught Moulded 29' - 9.3/8"

Built at Gothenburg

Keel laid 27th February, 1952

Launched 18th September, 1952 Yard No. 1028

Builders A-B. Lindholmens Varv

Owners Rederi Ocean A/S

Managers J. Lauritzen

(Where necessary to be entered in Reg. Book)

Residence Copenhagen

Port of Registry Esbjerg

If surveyed while building, afloat, or in dry dock

Whilst building, afloat and on floating dk.
Date of undocking: 28th November, 1952.

FRAMES, DOUBLE BOTTOM AND BEAMS.

MM. IN SHIP.	Any Departure from Approved Plans to be Noted.	MM. IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships.	Long framing See att. sh.	Bracket Floors, Frame	
" " forward of fwd. coff.	675	" " Reversed Frame	
" " in peaks	610	" " Vertical Struts	
SIDE FRAMING.		Centre Girder, depth and thickness amidships	1325 x 13.5
Frame Amidships, Angle, [or]		" " top higher Weld	5.5
" " Extends up to		" " bottom higher Weld	5.5
Reversed Frame Amidships, Angle		Side Girders, No. each side and thickness	2 20.0 15.0
" " Extends up to		Margin Plate depth (excl. of flange) and thickness	
Depth of Framing Girder	Longitudinal	" " Vertical Angle to Tank side	
Frames in Uppermost Continuous 'tween Decks, Angle, [or]	framing. See	Bracket abaft 1/4 len. from stem	Tank top
" " Second 'tween Decks, Angle, [or]	attached sheet	" " Vertical Angle to Tank side	extends
" " Third		Bracket from forward 1/4 len. from stem to Panting Area	to shell
" " from 1/4 len. for'd. to 15% len. from Stem		Gussets, spacing and scantling abaft 1/4 len. from stem	
" " in Peaks, higher $\frac{L}{11}$	250 100 11	Gussets, spacing and scantling from forward 1/4 len. from stem to Panting Area	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships		Tank Side Brackets, height above base line at toe of Frame and thickness	
State if Frame Joggled	No	INNER BOTTOM PLATING, in Engine Sp. thickness thickness of Middle Line Strake	14.5
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and as approved?	Yes	Thickness of remainder in holds	14.5
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and as approved?	Yes	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
SINGLE BOTTOM.		BEAMS.	
Floors, Depth and thickness at mid-line in Holds		Uppermost Continuous Deck, amidships in Wells, Angle, [or]	Long framing
Height of Brackets at side above base line at toe of frame		" " in way of Bridge, Angle, [or]	See attached
Middle Line Keelson, on Floors, Angles, [or]		Spacing	sheet
" " Through Plate or Inter-costal Plate		Second Deck, amidships, Angle, [or]	
" " Foundation Plate on Floors		Spacing	
" " Flat Plate Keel Angles		Third Deck, amidships, Angle, [or]	
Side Keelsons, No. each side		Spacing	
" " thickness of Inter-costal Plate		Fourth Deck, amidships, Angle, [or]	
" " Angles		Spacing	
DOUBLE BOTTOM, in Engine space.		Poop Deck, Angle, [or]	
Solid Floors, thickness and spacing	12.0. Ev. frame	Spacing	
" " Are Frame and Reversed Frame joggled?	No	Bridge Deck, Angle, [or]	Longitudinal
Bracket Floors, breadth and thickness at middle line	None fitted	Spacing	framing. See
" " breadth and thickness at margin plate		Forecastle Deck, Angle, [or]	attached sheet
		Spacing	

PILLARS AND DECKS.

[illegible]

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.	Thickness.	Thickness.	Thickness.			Diam.	Spacing cr. to cr.		Diam.	Spacing cr. to cr.	
Flat Plate Keel.....	1600	27.0	27.0	27.0			Inches.	Inches.				
„ Dblg. (if any)	--	--	--	--								
Bottom Plating, No. of Strakes ..3.....	--	19.5	17.0	13.0								
Bilge Plating, No. of Strakes ..1.....	--	20.0	12.5	13.0								
Side Plating, No. of Strakes ..3.....	--	17.0	2 à 12.5 1 à 14.5	1 à 13.0 2 à 12.5								
Upper Deck, Sheer- strake in Well	1665	25.5	14.5	12.5			50°			50°		
Upper Deck, Sheer- strake in Bridge ...	--	--	--	--								
Strake below Sheer- strake in Well	--	17.0	14.5	12.5								
Strake below Sheer- strake in Bridge ...	--	--	--	--			50°					
Poop Side Plating.....	--	--	--	9.5			5 mm. (Rusarc)					
Bridge Side Plating.....	--	11.5	--	--								
Forecastle Side Plating	--	--	11.5	--								

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—

Extending to Upper Deck (Sec. 3 c) 12. 4 additional bulkheads in
centre tanks

„ Deck next below ---

As per Rule 8

FORGINGS AND CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted
KEEL, Bar		Flat plate keel		
STEM	Upper part	Rolled plates		
	Lower part	Round bar ϕ 165 mm.	Colville	
STERN	Propeller Post	Cast and welded as	Bochumer	
FRAME	Rudder	per appd. plan	Verein	
Speed of Vessel		15 knots		
RUDDER—Type		Balanced streamline		
" A \times D. \times 100		1605	Bochumer	
" Diam. of head		327 mm.	Verein	
" Mainpiece at top pintle		As per appd. plan		
" " heel				
" how constructed		Welded		
" double wrought plate coupling, vertical or		11/18		
" horizontal		Horizontal		

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture) — Open hearth.
 Avesta Jernverks A-B., Dorman, Long & Co., Appaaby-Frodingham, Domnarfve's Jernverk, Hüttenwerk Hörde,
 Ilsele-Paine, Cargo Fleet Iron, Colvilles, Ltd., Oberhausen, Steel Company of Scotland.
 Has the Steel been tested as required by the Rules? Yes. See also the Secretary's letter.

Rpt. 1*. M/T "PETRA DAN", of Esbjerg, A-B. Lindholmens Varv Yard No. 1028.

PARTICULARS OF LONGITUDINAL FRAMING.

GOTHENBURG FIRST ENTRY REPORT No. 19510.

12 JAN 1953

FRAMING.		AMIDSHIPS.			ENDS.			Any Departure from Approved Plans to be Noted.	Welds of Longitudinal Frames.		Welds of Transverses and Bulkheads.		Rivets in Brackets to Bulkheads.	
		In Ship.			F = At fr.No.91 A = At fr.No.30				Diam.	Speng.	Inches.	Number.	Diameter.	
		Ins.	Ins.	Ins.	Ins.	Ins.	Ins.		Ins.	Ins.			Inches.	Inches.
Framing Superstructures Deck 														

The particulars of framing in peaks (if ordinary), Floors, Centre Girder, Side Girders and Margin Plate and their angle attachments, &c., 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, &c., on the first page.

EQUIPMENT No. 54588

LETTER f+

ANCHORS.

Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY TABLE 53.	Description of Anchor.	Makers.	Where and when tested, and Superintendent.
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.				
5491	1st Bower	86	1	14				61	17	2	0		Hingley's Challenge (Cast Steel Head)	N.Hingley & Sons, Ltd.	LPH-N 31.51
5492	2nd "	86	2	0				61	17	2	0		"	"	"
5493	3rd "	86	1	21				61	17	2	0		"	"	"
	Collective weight	259	1	7								257.5			
72901	Stream	26	2	24	6	3	11	26	3	3	0	26.5	Ord. pattern. E.W.	"	LPH-CH 24.51 H. Phillips

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.	Statutory.	Breaking.	Supplied.	Per Rule.	Length.	Diam.					Length.	Ins.		Length.	Ins.
7447	550.9	2 5/8	12235	171958	57232	52580	550	2 5/8	Stulink	Ijune-Woman	Makers' works 1.8.52 H.O. Albertson	6 x 24 TOWLINE	240	5 1/2	84.4	130	5 1/2
												HAWSERS & WARPS	4x185	3 1/2	35.2	4x100	2 3/4
	220	5		70.9			120	5									

Steering Gear, Type (Power or hand) Electric. Thomas B. Thrige Alternative Means of Steering Double motors

2 steel 7.35 x 2.35 x .95 M. (Mot)

Windlass Steam. Hålsingborgs VarvBoats 2 steel 7.0 x 2.3 x .92 M.

Chains (Size and Test) --- Windlass Steam. Hålsingborgs VarvBoats 2 steel 7.0 x 2.3 x .92 M.

in Holds, thickness and material --- Cargo Battens, thickness, material and spacing ---

Hatchways.-(Upper Deck) Oiltight hatches, Coamings 800 mm. Thickness of Hatches ---

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

of Shifting Beams } --- Fore and Afters }

Builder's Signature Antiebolager Lindholms Varv

L 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. (Motorship)

(b) whether the vessel, not being an oil tanker, is fitted for carrying oil as cargo Tanker The positions in which oil is carried as fuel or cargo should

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

Ship has been built under Special Survey in conformity with the Society's Rules and Regulations and the Secre-

letters. The scantlings and arrangements of the ship are as given in the report and as shown and amended on

proved plans now forwarded. All modifications or additions to the original approved arrangements made during

uction have been indicated on the plans and have been approved as being in accordance with, or by standards

lent to, the Rule requirements. The plans of Midship section and Profile and Decks showing the ship as built,

warded herewith, have been checked with the approved arrangements and found in order. The materials and work-

p are good. The vessel is constructed to carry petroleum in bulk and oil fuel in the double bottom tanks in

rine room, in the oil fuel bunkers situated at the forward end of the machinery space, in the tanks forward of

er peak and in the forward deep tanks. The flash point of the oil fuel is above 150°F. Lubricating oil is

carried in the engine room double bottom tanks at the centre below the engine. Water ballast is carried in the fore

peak tank. Fresh water in double bottom tank fr.22-25 and also in the after peak tank, counter tanks and 'tween

deck tank amidship. The tanks, cofferdams, bulkheads and decks have been tested in accordance with the requirements

P.T.O.

Convention Freeboard
The amount of ~~1000~~ Fee..... Kr. : 790:-
Special Survey Fee..... Kr. 28310:-
Late Fees 300:-
Travelling Expenses, if any Kr. : 29:-

Fees applied for,
9/1 1953
Received by me,
--- 19---

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

I am of opinion the Vessel should be Classed +100A1
Carrying Petroleum in bulk
Electrically welded, Longitudinal framing.

State whether the Vessel has been built under Special Survey Yes

Signature Surveyor to Lloyd's Register of Shipping.

Certificate to be sent to Gothenburg Date of issue 5/2/53

Committee's Minute FRI 23 JAN 1953

Character assigned +100A1 Carrying Petroleum in bulk

11.52 Got.

Lloyd's A & C.P.

+ LMC 12.53 Oil Eng.

CL

2DB 170lb.

Note for S.R.L.

0112 3/3

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CLASSIFICATION
CERTIFICATES WRITTENLloyd's Register
Foundation

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.)

of the Rules. The requirements of Section 20 of the Rules have been complied with. The freeboards have been marked and cut in on the vessel's sides. Windlass and steering arrangements have been tested under working conditions on a trial trip.

Similar ships:

M/T "Sliedrecht",	A-B. Lindholmens Varv	Yard No. 1013,	Gothenburg	First Entry Report No. 17919,
M/T "Nerma Dan",	"	" " " " 1015,	"	" " " " 18268,
M/T "Christiansborg",	"	" " " " 1016,	"	" " " " 18580,
M/T "Shetland",	"	" " " " 1017,	"	" " " " 18730,
M/T "Espirito Santo",	"	" " " " 1026,	"	" " " " 19110,
M/T "Maranhao",	"	" " " " 1027,	"	" " " " 19365.

As fitted plans, forwarded under separate cover:

Midship section,	Longitudinal section and plans,	Shell expansion.
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Approved plans, forwarded separately:

Midship section	Centre line webs	Pump rooms (2),
Longitudinal section and plans	Transverse bulkheads	Deep tank
Shell expansion	Stem	Tank top in ER with eng. seat. & Floor
Sternframe	Transverse webs	Engine room (4),
Rudder	After peak	Framing (4),
Longitudinal bulkheads	Fore peak	Upper deck (forward).

Various material certificates forwarded under separate cover.

PARTICULARS OF ELECTRIC WELDING (if employed) Electrically welded, with electrodes on the List of Approved Electrodes.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book
Carrying Petroleum in bulk, Cruiser stern, Machinery aft, Oil engines,
Longitudinal framing, Electrically welded, Wireless, Direction finder,
Echo sounding device, Gyro Pilot, Radar.

RADAR Equipment (State if fitted) Yes
State Type or Pattern No. Model 1402, Serial 1071
State Name of Maker ~~Mariners~~ Raytheon Pathfinder.

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

1st Bower	56:1:12	L.R.	2419	A.E.G.	29.6.51
2nd "	56:1:19	L.R.	2394	A.E.G.	26.6.51
3rd "	56:1:12	L.R.	2499	A.E.G.	27.7.51

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 108' ft., R.Q.D. --- ft., Bridge 31' ft., Forecastle 65' ft.

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

Official No. --- Signal Letters O Y O C Extreme Breadth over Belting --- Over-all Length 551' - 2" (Circ. 1611) (Circ. 1703)

No. and Material of Decks 1 deck (steel)

Parts of Bottom of Vessel coated with cement or approved composition After peak- and Fore peak tanks, counter tanks, and fresh water tanks cement washed

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.	Salt Water Capacity. Tons.	Where Fitted.	Length. Feet.	Salt Water Capacity. Tons.
Double bottom, aft, F.O.		221.8	Fore peak tank, W.B.		143.5
Double bottom, under Engines and Boilers L.O.		48.2 M	After peak tank, F.W.		151.2
Double bottom, if under Engines only, F.W.		19.3 M	Wing tanks aft, F.O.	44.6	773.1
Double bottom, if under Boilers only,			Deep tank, forward, F.O.	31.0	560.9
Double bottom, forward,			Other tanks, if fitted, Counter tanks, F.W.		163.7
Total length (if continuous) and Capacity	100.0		Boiler deep tanks, F.O. or W.B. (If necessary furnish further information by sketch.)		202.2
			F.W. 'tween deck amidship		20.1

Order for Special Survey No. 528

Date 23.11.1951

Dates of Surveys held while building

1952: February 15, 16, 20, 20, 27, 29, March 1, 4, 7, 8, 14, 16, 29, April 1, 18, May 7, 9, 10, 24, 30, 5, 6, 14, 17, 20, 28, July 30, August 1, 15, 23, 26, 30, September 4, 8, 8, 8, 9, 9, 10, 12, 17, 18, 24, 26, October 8, November 4, 8, 19, 25, 25, 26, 26, 27, 28, December 9, 10, 19, 20.

Total No. of Visits

58

Lloyd's Register Foundation