

STEEL STEAMER or MOTORSHIP.

Received at London Office 25 AUG 1934

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 *20th August 1934* Port of *TRIESTE* No. *10534*
Survey held at *Manfalcane & Tenise* Date First Survey *Aug 4* Last Survey *Aug 13* 19*34*On the *Twin Sc. M.D. "BONZO"* MACHINERY *9FT.*State Type *(Full Scantling, Complete Superstructure with or without Tonnage Openings)*

FULL SCANTLING

State Type of Erections *P. B. & F.E.*TONNAGE under *7648*
Tonnage Deck...CLASS *- 100 A1*State if with freeboard as condition of Class *no*Built at *Manfalcane*

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 465'-0"*Launched *14th February 1931* Yard No. *241*Breadth (greatest moulded) *B 60'-0"*Builders *Cantieri Riuniti dell'Adriatico*Total *7648*Depth, at middle of length from top of keel to top of beam at side of uppermost continuous deck. See Sec. 3 (1c) *D 34'-6"*Owners *Cantieri Riuniti dell'Adriatico*Gross Tonnage *8177*1st Longitudinal Number (L x D) *= 16042*Managers *(Where necessary to be entered in Reg. Book.)*Register Tonnage *4917*2nd Numeral L x (B + D) *= 43942*Residence *Trieste*

REGISTERED DIMENSIONS.

Framing Depth "d," at middle of length. See Sec. 3 (1d) *13'-47"*Length *468'-0" 142.46m.*Proportions—Depth to Length—Uppermost continuous deck to top of keel *Do. Long Bridge to top of keel*Breadth *60'-2" 18.36m.*Depth *34'-7" 10.55m.*Draught Moulded *24'-7 1/4"*

If surveyed while building, afloat, or in dry dock

in dry dock and afloat.

FRAMES, DOUBLE BOTTOM AND BEAMS.

	Frames in Ship. mm.	Any Departure from Approved Plans to be Noted.		Frames in Ship. mm.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	770	✓	Bracket Floors, Frame		✓
" " from 1/2 length to Collision bulkhead	660	✓	" " Reversed Frame		✓
" " in peaks	610 F P	✓	" " Vertical Struts		✓
SIDE FRAMING.	632 1/2 AP	See plan	Centre Girder, depth and thickness amidships	1385 15	✓
Frame Amidships, Angle <i>E or C</i>	230 90 11	✓	" " top Angles	100 100 12	✓
4 in way of Bottom & Deck Transverses <i>E</i>	350 100 14 1/16	✓	" " bottom Angles	120 120 14	✓
" " Extends up to	second deck	✓	Side Girders, No. each side and thickness	2 12	✓
Reversed Frame Amidships, Angle		✓	in Motor sp. only		
" " Extends up to		✓	Margin Plate depth (excl. of flange) and thickness	horizontal 13	✓
Depth of Framing Girder	230	✓	" " Vertical Angle to Tank side	150 150 13 1/2	✓
Frames in Uppermost Continuous 'tween	230 90 11	✓	Bracket abaft 1/2 len. from stem		✓
Decks, Angle <i>E or C</i>	300 100 11 5/12	✓	" " Vertical Angle to Tank side		✓
4 in way of deck Transverses <i>E</i>		✓	Bracket forward 1/2 len. from stem		✓
" " Second 'tween Decks, Angle, <i>C or E</i>	✓	✓	Gussets, spacing and scantling		✓
" " Third " " "	✓	✓	abaft 1/2 len. from stem		✓
Framing in Peaks, Angle <i>E or C</i>	250 90 11	✓	Gussets, spacing and scantling		✓
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	22 @ 121	✓	forward 1/2 len. from stem		✓
State if Frame Joggled	joggled	✓	Tank Side Brackets, height above base line at toe of Frame and thickness		✓
PANTING ARRANGEMENTS (Sec. 7), state system and particulars	Web Frames & Deep Stringers	✓	INNER BOTTOM PLATING.		
STRENGTHENING OF BOTTOM FORWARD. State Particulars	Web spaced 4 ft. Sp. 9 part	✓	Breadth and thickness of Middle Line Strake	1800 13 1/2	✓
SINGLE BOTTOM.	Solid floors at every frame, double frames and two lines of intercostals in way of bottom tanks	✓	Thickness of remainder in Holds	13	✓
Floors, Depth and thickness at mid-line in Holds	Longitudinal Framing	✓	Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & D. space and framing in Bunkers and Boiler Room?	yes	✓
Height of Brackets at side above base line at toe of frame		✓	BEAMS.		
Middle Line Keelson, on Floors, Angles, <i>C or E</i>	Centre Line Bulkhead	✓	Uppermost Continuous Deck, amidships	see deck longitudinal	✓
" " Through Plate or Intercostal Plate		✓	" " in Wells, Angle, <i>C or E</i>		✓
" " Foundation Plate on Floors		✓	" " in way of Bridge, Angle, <i>C or E</i>		✓
" " Flat Plate Keel Angles	120 120 14	✓	Spacing		✓
Side Keelsons, No. each side		✓	Second Deck, amidships, Angle, <i>C or E</i>		✓
" " thickness of Intercostal Plate		✓	Spacing		✓
" " Angles		✓	Third Deck, amidships, Angle, <i>C or E</i>		✓
DOUBLE BOTTOM. Aft under engine			Spacing		✓
Solid Floors, thickness and spacing	11 @ every	✓	Fourth Deck, amidships, Angle, <i>C or E</i>		✓
" " Are Frame and Reversed Frame joggled?	yes	to be verified	Spacing		✓
Bracket Floors, breadth and thickness at middle line		✓	Poop Deck, Angle, <i>C or E</i>		✓
" " breadth and thickness at margin plate		✓	Spacing		✓
			Bridge Deck, Angle, <i>C or E</i>		✓
			Spacing		✓
			Forecastle Deck, Angle, <i>C or E</i>		✓
			Spacing		✓

PILLARS AND DECKS.

PILLARS, No. of Rows.....	INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.	Stringer Plate, breadth and thickness in way of Bridge	INCHES IN SHIP.			Any Departure from Approved Plans to be Noted.
	mm.					mm.			
in 'tween Decks, Size and Spacing.....					Thickness of Plating abreast Deck openings in way of Wells				
Summer tank longitudinal Bulkhead horizontal stiffeners & spacing	200	90	10		Thickness of Plating abreast Deck openings in way of Bridge				
in Holds	@ 810				Thickness of Plating within line of openings.....				
Plating thickness	11				If Sheathed, material and thickness				
Centre Line Bulkhead.					Third Deck, in Not held only				
Stiffeners and Spacing.....	230	90	11	@ every 1	Stringer Plate, breadth and thickness.....	10			
Vertical in way of transverse	350	100	14/16		If Plated, state thickness.....	10			
Plating, thickness of	14	16	11		Fourth Deck.				
STRINGERS AND DECKS.					Stringer Plate, breadth and thickness.....				
Uppermost Continuous Deck.					If Plated, state thickness				
Stringer Plate, breadth and thickness in Wells	1850	19.5			Poop Deck.				
" " " " in way of Bridge	1850	19.5			Stringer Plate, breadth and thickness	965	10		
" Angle in Wells	200	200	18		Plating, Sheathing, material and thickness ...	7.5 Oregon P. 65			
Thickness of Plating abreast Deck openings in way of Wells		17.5			Bridge Deck.				
Thickness of Plating abreast Deck openings in way of Bridge		17.5			Stringer Plate, breadth and thickness.....	1065	11.5		
Thickness of Plating within line of openings.....		15.0			Plating, Sheathing, material and thickness ...	90 Oregon P. 65			
If Sheathed, material and thickness					Forecastle Deck.				
Second Deck.					Stringer Plate, breadth and thickness.....	915	10		
Stringer Plate, breadth and thickness in Wells...	1800	11			Plating, Sheathing, material and thickness ...	9.5			

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPA APPROV TO B1	EDGES.		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.	
FLAT PLATE KEEL	1360	23.5	20.5	20.5	1	Double	1 1/8	3 15/16	Triple	1 1/8	4 1/2	Double strapped	
„ DBLG. (if any)	-	-	-	-	-	-	-	-	-	-	-	-	
BOTTOM PLATING, No. of Strakes FIVE	-	18	12.5	12.5	1	Double	1	3 1/2	Quadruple	1	4	Lapped	
BILGE PLATING, No. of Strakes ONE	-	18	12.5	12.5	✓	Double	1	3 1/2	Quadruple	1	4	Lapped	
SIDE PLATING, No. of Strakes FOUR	-	16.5	12	12	1	Double	1	3 1/2	Quadruple	1	4	Lapped	
UPPER DECK, Sheer- strake in Wells.....	1550	25	13	13	1	Double	1 1/8	3 15/16	Triple	1 1/4	5	Double strapped	
UPPER DECK, Sheer- strake in Bridge ...	1550	25	13	13	1	Double	1 1/8	3 15/16	Triple	1 1/8	4 1/2	Double strapped	
STRAKE BELOW Sheer- strake in Wells.....	1600	21.5	13	13	✓	Double	1	3 1/2	Quadruple	1	4	Lapped	
STRAKE BELOW Sheer- strake in Bridge ...	1600	21.5	13	13	1	Double	1	3 1/2	Quadruple	1	4	Lapped	
POOP SIDE PLATING	-	-	-	10.5	✓	Single	3/4	3	Double	3/4	3	Lapped	
BRIDGE SIDE PLATING ...	-	11.5	-	-	1	Double	7/8	3 1/2	Triple	7/8	3 1/2	Lapped	
FOREC'TLE SIDE PLATING	-	-	11.5	-	1	Single	3/4	3	Double	3/4	3	Lapped	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—	16
Extending to Upper Deck (Sec. 3 c)	11 FOURTEEN
" Deck next below	5 NONE
As per Rule.	SEVEN

	Plating Thickness.	STIFFENERS.			
		VERTICAL.		HORIZONTAL.	
		mm.	mm.	mm.	mm.
MIDSHIP BULKHEAD, Upper tween decks	9	180.90x10	770		
" " Second					
" " Third					
" " Hold Main Tanks	9-13	230.90x10	770		
COLLISION		115.6	157	220.90x10	772
AFTER PEAK		115.6	85	610	

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
KEEL, Bar	PLATE KEEL			
STEM	Rolled 265x60			
STERN FRAME	BRACKETS	CASTING AS PER PLAN		
	Propeller Post	CASTING AS PER PLAN		
	Rudder Post	CASTING AS PER PLAN		
RUDDER—A x D				
Speed of Vessel	12 KNOTS			
RUDDER mainpiece at head ...	FORGING	312		
" " heel ...	"	230		
" " how constructed	BUILT UP			
" " double or single plate	Single plate			
" " coupling, vertical or horizontal.....	Horizontal			

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)

STEEL.

Has the Steel been tested as required by the Rules?

Rpt. 1*.

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. Diam. Speng.	Spacing of Rivets on each side of Transverses and Bulkheads.	Rivets in Brackets to Bulkheads.		
	ft.	in.	mm.	ft.	in.	mm.	ft.	in.	mm.	ft.	in.	mm.			Number.	Diameter.	
Framing of L, C or C	m/111			m/111			m/111			m/111			m/111				
Frames in Bridge 'tween Decks ...																	
Frames from Uppermost Continuous Deck No. 1																	
" 2																	
" 3																	
" 4																	
" 5																	
" 6																	
" 7																	
" 8																	
" 9																	
" 10																	
" 11																	
" 12																	
" 13																	
" 14																	
" 15																	
" 16																	
Spacing of Longitudinal Frames	Amidships			At Ends													
Double Bottoms	Tank Top Longitudinals																
Bottom	350 x 100 x 16/155						350 x 100 x 16/155						22 132 77 18 22				
Spacing of Longitudinals	762						762						See plan				
Bottom Transverses.																	
In Bridge	Depth and Thickness																
'tween Decks	Face Angles																
	Lugs to Shell*																
In Upper 'tween Decks.	Depth and Thickness																
	Face Angles																
	Lugs to Shell*																
In Hold.	Depth and Thickness			1220 11'5						1220 11'5							
MAINTANKS	Face Angles double 2			200 90 13						200 90 13							
	Lugs to Shell*			150 150 13'5						150 150 13'5							
	Brackets			2455 2650 x 11'5						2650 11'5			22 110				
Spacing of Transverse Frames	3080						3080										
* State if joggled or liners.																	
Longitudinal Beams of	Bridge Deck	7	165 75 8'5	165 75 8	POOP & FORE DECK			Spacing.	762	Transverse Beams.	In Ships.	As approved.					
	Upper	7	200 90 10					762			Plate.	Angles.					
	Second	7	200 90 11					762			365 x 10 90 120 12	Single					
	Third	7	200 90 11'5					762			625 x 10 100 100 14	Single					
	Fourth	7	200 90 11'5					762			460 x 10 100 150 10	Single					

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.

EQUIPMENT No.										LETTER										ANCHORS.									
Number of Certificate.	Anchors.	WEIGHT, EX. STOCK.			WEIGHT OF STOCK.			TEST, PER CERTIFICATE.				WEIGHT REQUIRED BY RULE.				Description of Anchor.	Makers.	Where and when tested and Superintendent.											
		Cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.	Tons.	cwts.	qrs.	lbs.	Cwts.	qrs.	lbs.															
64415	1st Bower	81	1	-				59	0	0	0	0	0	0	81 1/4	✓	STOCKLESS	DORTMUNDER UNION	DORTMUND 27.3.30										
33958	2nd "	82	1	-				60	0	0	0	0	0	81 1/4	✓	"	OTTO GRUBSON	MAGDEBURG-BUCKAU 25.7.31											
64407	3rd "	70	0	7				53	15	0	0	0	0	69 1/2	✓	"	USINES-ACIERIES ALLARD	MONT SUR MARCHEMNE 28.4.30											
64419	Collective weight.	233	2	7																									
64418	Stream	23	1	26	3	0	6	13	8	0	14	0	0	23 1/2	✓	IRON STOCK		TIRLO 11.12.30											
* See Secretary Letter 11.6.34																													

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.				
	Fathoms.	Ins.		Tons.	Cwts.	qrs.						lbs.	Fathoms.		Ins.	Length.	Ins.	Tons.	Fathoms.
86150	142 1/2	2 1/2	112 1/10	157 1/10	458	1	14	✓	285	2 1/16	STEEL LINES HINGLEY & SON LD	NETHERTON 29.11.30	TOWLINE	130	6"	✓			
86165	142 1/2	2 1/2	112 1/10	157 1/10	457	0	15	✓			NETHERTON 28.11.30	H. GREEN	HAWSERS & WARPS	2.100	2 3/4"	✓			
316	28.8	2 1/2	112 1/10	✓	89	0	4	RETEST			TOLA 1.6.31	M. MICOLI		2.100	8"	149 MP			
Iron Stream Chain or Steel Wire	120	5 1/4"	✓																

Steering Gear, ^{Hydro} ~~Steam~~ ELECTRIC HASTIE & Co. Ltd. Steering Gear, Hand HASTIE & Co. Ltd.

Boats 4 Life boats Steering Chains, Size and Test STEERING GEAR AFT Windlass CLARKE CHAPMAN & Co. Ltd

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

Cargo Hatchways. (Upper Deck) MAIN TANKS COAMINGS 450 x 14 mm. WING TANKS " 1150 x 11 " Thickness of Hatches STEEL HATCHES

(CARGO) OIL CENTRE TANKS OIL SUMMER TANKS

Size of No. 1 Hatchway (Forward) 8'-6" x 11'-0" No. 2 9'-6" x 5'-6" No. 3 16'-0" x 3'-8" No. 4 20'-0" x 3'-8" No. 5 - No. 6 -

Number of Shifting Beams and/or Fore and Afters NONE

CANTIERI RIUNITI DELL'ADRIATICO

Builder's Signature *[Signature]*

GENERAL DECLARATION. It should be stated (a) whether the vessel 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 oil Tanker The positions in which oil is carried as fuel or cargo should be indicated, together with the flash point.

Oil fuel F.P. above 150°F. Carried in combustible immediately forward of motor space

Vessel placed in dry dock, bottom and under deck cleaned, examined and recoated. Main oil tanks, summer tanks, pumps rooms, forward cofferdam, fore peak tank, peaks, chain locker and motor space cleared and examined. Main oil tanks, summer tanks, forward cofferdam, forward deep tank and fore peak tank tested as per Rules with satisfactory results. Shell plating, decks, framing, floor plates and bulkheads examined, scantlings compared with the approved plans and found correct. A number of rivets have been removed and the quality and character of the counter-sin-ring and workmanship found satisfactory. Thickness of plating gauged where rivets removed. Anchors examined, cable ranged, marks compared with certificates and found in order.

To complete the survey for classification in accordance with the requirements of the Rules for vessels not built under survey, the following remains to be done: The after cofferdam, the oil fuel tankers, the double bottom tanks under the motors, to be opened out and examined

P.T.O

The amount of Entry Fee £	Fees applied for,	I am of opinion the Vessel should be Classed <u>100 91</u> CARRYING PETROLEUM IN BULK
Approval of plans <u>£4625-</u>	<u>21/8/1934</u>	
Special Survey Fee <u>£1825-</u>	Received by me, <u>[Signature]</u>	
Travelling Expenses, if any £ <u>410-</u>	<u>16.10.34</u>	
State whether the Vessel has been built under Special Survey <u>no</u>		Signature <u>[Signature]</u> Surveyor to Lloyd's Register of Shipping.
Certificate to be sent to <u>✓</u>	Date of issue <u>✓</u>	

Committee's Minute

FRI. 19 OCT 1934

FRI. 28 JUN 1935

Character assigned

No action

Cert to be issued

Sub. Exam. L. Shapto

write L. L. L. 28/6

FRI. 2 AUG 1935

TUE. 4 FEB 1936

WED 15 APR 1936



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Lloyd's Register Foundation

W1044-0191

The Surveyor is required to state on or below the Committee's Minute.

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.)

internally and tested, and scantling in way verified. Main motor seatings to be examined and after peak tank to be tested. *

The width of the molder has not been reduced, pending a decision regarding the sale to Norwegian Owners, see our letter of 4.8.34 and Secretary reply of 8.8.34.

The vessel has now been measured for tonnage, and net figures have been entered on the front page of this report.

The international Convention subboards now assigned by the Register Italiana, have been correctly marked on the vessel's sides and verified, see attached Form C.13 (c)

The Builders state that all steel materials have been manufactured by Messrs. Völschlag, Bergheim and Eisenhüttenwerk, and by the S.M. process, and had been tested by the Master's Surveyors. The corresponding certificates are no longer available.

As no decision regarding the sale of this vessel to Norwegian Owners has been arrived at, (see our letter dated 1.8.34) it is submitted no further action be taken in the meantime. In our opinion the vessel will be worthy to be classed 10091 Carrying Petroleum in Bulk with the special notation "Longitudinal framing at bottom and deck" when the survey is complete.

One copy of each of the plan forwarded with our letter of the 12 & 26 of May has already been retained for reference in London.

W.R.

No Forging Rpts forwarded with 7E

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

1st Bower

2nd "

3rd "

Will be forwarded on the occasion of the next Survey

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 117 ft., R.Q.D. ✓ ft., Bridge 30 ft., Forecastle 56 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) 2 DKS (5th) & PARTIAL 3rd DECK
LONGITUDINAL FRAMING AT BOTTOM AND DECK

Official No. : Signal Letters Y.L. I.B.F.N.

Is bottom of Vessel coated with cement if not give

particulars of composition

PARTICULARS OF WATER BALLAST.—

Where Fitted.	*Length. Feet.	Water Capacity. Tons.	Where Fitted.	*Length. Feet.	Water Capacity. Tons.
Double bottom, aft,	✓		Fore peak tank,	20	194
Double bottom, under Engines and Boilers,	✓		After peak tank,	31	128
Double bottom, if under Engines only,	73	207.5	Deep tank, aft,	✓	✓
Double bottom, if under Boilers only,	✓		Deep tank, forward,	32	531
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.

Date

Dates of Surveys held while building

1934 Aug 6, 7, 8, 9, 10, 11, 13.



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