

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

No.

State Type (Full Scantling / Complete Superstructure with or without Tonnage Openings) *Hull Scantling Carrying Petroleum in bulk* State Type of Erections *Prop. Anderson File*

Built at *Gothenburg*

Register Tonnage 6242.76

1st Longitudinal Number (L x D).....=18606

2nd Numeral $L \times (B + D) \dots\dots\dots = 49806$

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

Do. Long Bridge to top
of keel

Draught Moulded

Launched 6th April 1935 Yard No. 490

Builders *A. B. Gösserker*

Owners Tønnevold's Tankrederi A/S

Managers *A. O. Tonnevold & Ole Tonnevold*
(Where necessary to be entered in Reg. Book.)

Residence Grimstad.

Port of Registry *Grimstad.*

If surveyed while building, afloat, or in dry dock

Building, afloat & on floating dock.

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	825 ✓		Bracket Floors, Frame	✓	
" " from ^{frame 159} $\frac{3}{4}$ length to Collision bulkhead	675 ✓		" " Reversed Frame	✓	
" " in peaks	610 ✓		" " Vertical Struts	✓	
SIDE FRAMING.			Centre Girder, depth and thickness amidships	2000 x 12.0 ✓	
Side ^ Frame Amidships, Angle, E or F	250 x 90 x 12 ✓		" " top Angles ^{double}	90 x 90 x 13.0 L ✓	
" " Extends up to	Upper deck ✓		" " bottom Angles	130 x 130 x 15 L ✓	
Bottom - Reversed Frame Amidships, Angle	280 x 90 x 12. ✓		Side Girders, No. each side and thickness	2 @ 15.0 ✓	
" " Extends up to	Long bulkhead ✓		Margin Plate depth (excl. of flange) and thickness	T.T. flange 14.0 ✓	
Depth of Framing Girder	250 x 280 ✓		" " Vertical Angle to Tank side Bracket abaft $\frac{1}{2}$ len. from stem	✓	
Frames in Uppermost Continuous 'tween Decks, Angle, E or F	✓		" " Vertical Angle to Tank side Bracket forward $\frac{1}{2}$ len. from stem	✓	
" " Second 'tween Decks, Angle, E or F	✓		" " Gussets, spacing and scantling abaft $\frac{1}{2}$ len. from stem	✓	
" " Third " " " "	✓		" " Gussets, spacing and scantling forward $\frac{1}{2}$ len. from stem	✓	
Framing in Peaks, Angle or E	230 x 90 x 12.5 ✓		Tank Side Brackets, height above base line at toe of Frame and thickness	See plan ✓	
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	22 @ 136. 25 @ 150 ✓		INNER BOTTOM PLATING, MOTOR ROOM.		
State if Frame Joggled	bottom frame only ✓		Breadth and thickness of Middle Line Strake	2556 x 14.0 ✓	
PANTING ARRANGEMENTS (Sec. 7). state system and particulars	Deep framing & stringers on per approved plan. ✓		Thickness of remainder in Holds	14.0 ✓	
STRENGTHENING OF BOTTOM FORWARD. State Particulars	90 x 90 x 12 backbone from 5 forward. Extra girder and increased shell. ✓		Are Rule requirements complied with regarding increases of scantlings in way of double bottom in E. & B. space and framing in Bulkheads and Boiler Room?	Yes. ✓	
SINGLE BOTTOM.			BEAMS.		
Floors, Depth and thickness at mid-line in Holds	✓		Uppermost Continuous Deck, amidships	200 x 90 x 10.5 center ✓	
Height of Brackets at side above base line at toe of frame	✓		" " in Wells, Angle, E or F	230 x 90 x 11.0 side ✓	
Middle Line Keelson, on Floors, Angles, E or F	✓		" " in way of Bridge, Angle, E or F	✓	
" " Through Plate or Intercoastal Plate	1600 x 12.5 ✓		Spacing	825 ✓	
" " Top Bulk Angles Foundation Plate on Floors	250 x 90 x 11 } double 280 x 90 x 14 } 150 x 150 x 13 } double ✓		Second Deck, amidships, Angle, E or F	✓	
" " Flat Plate Keel Angles	✓		Spacing	✓	
Side Keelsons, No. each side	One in centre & one in wing tanks ✓		Third Deck, amidships, Angle, E or F	✓	
" " depth & thickness of Intercoastal Plate	1600 x 12.5 ✓		Spacing	✓	
" " Top Bulk Angles	280 x 90 x 14.5 } single 350 x 100 x 16.5 } 150 x 150 x 13 } angle ✓		Fourth Deck, amidships, Angle, E or F	✓	
" " Angles & shell	✓		Spacing	✓	
DOUBLE BOTTOM, IN MOTOR ROOM.			Poop Deck, Angle, E or F	200 x 75 x 10.0 ✓ 230 x 90 x 11.0 ✓ 230 x 90 x 12.5 ✓ 610 - 825 ✓	
Solid Floors, thickness and spacing	11.0 x 825 ✓		Spacing	260 x 110 x 90 x 14 ✓ 180 x 75 x 10.5 ✓	
" " Are Frame and Reversed Frame joggled?	frames only ✓		Bridge Deck, Angle, E or F	890 - 1054 - 1146 ✓	
Bracket Floors, breadth and thickness at middle line	✓		Spacing	230 x 90 x 11.0 ✓	
" " breadth and thickness at margin plate	✓		Forecastle Deck, Angle, E or F	675 - 610 ✓	
			Spacing	✓	

PILLARS AND DECKS.

	mm. INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.		mm. INCHES IN SHIP.	Any Departure from Approved Plans to be Noted.
PILLARS , No. of Rows.....	2 Long. Bhd.	✓	Face angle. Stringer Plate, breadth and thickness in way of Bridge	Hanged 150	✓
.. in 'tween Decks, Size and Spacing.....			Thickness of Plating abreast Deck openings in way of Wells		
" " " " "			Thickness of Plating abreast Deck openings in way of Bridge		
.. in Holds " "			Thickness of Plating within line of openings...		
" " " " "			If Sheathed, material and thickness		
<i>Longitudinal</i> Centre Line Bulkhead			<i>Middle Stringer in wing tanks</i> Third Deck.		
Stiffeners and Spacing.....	<i>Channels</i> 235 x 90 x 10 x 12 every frame	✓	Stringer Plate, breadth and thickness.....	1300 x 11.5	✓
Plating, thickness of	13.5 x 11.5 x 11.0 x 10 x 11.0	✓	Face angle If Plated, state thickness.....	150 x 90 x 12 L	✓
STRINGERS AND DECKS.			<i>Lower Stringer in wing tanks</i> Fourth Deck.		
Uppermost Continuous Deck.			Stringer Plate, breadth and thickness.....	1300 x 11.5	✓
Stringer Plate, breadth and thickness in Wells	2375 x 220 = 11.5	✓	Face angle If Plated, state thickness.....	180 x 90 x 18 L	✓
" " " " in way of Bridge	2375 x 220	✓	Poop Deck.		
" Angle in Wells	160 x 160 x 21. L	✓	Stringer Plate, breadth and thickness	9.5	✓
Thickness of Plating abreast Deck openings) in way of Wells	22.0 x 9.0 <i>See plans</i>	✓	Plating, Sheathing, material and thickness ...	6.5; 2 1/2" O. Plank	✓
Thickness of Plating abreast Deck openings) in way of Bridge	22.0	✓	Bridge Deck.		
Thickness of Plating within line of openings...	12.0 x 9.0 ✓		Stringer Plate, breadth and thickness.....	10.0	
If Sheathed, material and thickness	✓		Plating, Sheathing, material and thickness ...	9.5; 2 1/2" in accomd.	✓
<i>Upper Stringer in wing tanks</i> Second Deck.			Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells...	1300 x 11.5	✓	Stringer Plate, breadth and thickness.....	9.5	✓
			Plating, Sheathing, material and thickness ...	9.0	✓

SHELL PLATING.

SCANTLINGS.					RIVETING.							
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. State if jogged, <i>one Strake of plate shell.</i>			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.	
	<i>inches. mm.</i>	<i>inches. mm.</i>	<i>inches. mm.</i>	<i>inches. mm.</i>		<i>inches. mm.</i>	<i>inches. mm.</i>		<i>inches. mm.</i>	<i>inches. mm.</i>		
FLAT PLATE KEEL	2390	26.5 ✓	20.0 ✓	20.0 ✓	2380 × 26.5 ✓	Double ✓	25.0	90.6 ✓	3. ✓	28.0	115 ✓	Double straps
„ DBLG. (if any)												
BOTTOM PLATING, No. of Strakes 2		18.5	15.0 ✓	14.5 ✓	✓	Double ✓	22.0	90.6 ✓	3. ✓	22.0	90 ✓	Double straps
BILGE PLATING, No. of Strakes 1		18.5	13.0 ✓	14.5 ✓	✓	Double ✓	22.0	90.6 ✓	✓	22.0	90 ✓	„
SIDE PLATING, No. of Strakes 2		18.0	12.5 ✓	12.5 ✓	✓	Upper edges Double ✓	22.0 25.0	90.6 90.6 ✓	4. ✓	22.0	90 ✓	Lapped
UPPER DECK, Sheer-strake in Wells	1950	24.5 ✓	12.5 ✓	12.5 ✓	1980 × 24.5 = 48500	Lower edges Double ✓	25.0	90.6 ✓	3. ✓	25.0	100 ✓	Double straps
UPPER DECK, Sheer-strake in Bridge ...		47800 49000 06700				Upper edges double ✓	25.0	90.6 ✓	✓			
STRAKE BELOW Sheer-strake in Wells	2180	22.5 ✓	12.5 ✓	12.5 ✓	1840 × 22.5 = 41400	Lower edges double ✓	25.0	90.6 ✓	3. ✓	25.0	100 ✓	Double straps
STRAKE BELOW Sheer-strake in Bridge ...	4130				3920 84900							
POOP SIDE PLATING			10.5 ✓	✓		Single ✓	22	90 ✓	2. ✓	22.0	80 ✓	Lapped
BRIDGE SIDE PLATING ...		14.0				„ ✓	22	93 ✓	2. ✓	22.0	80 ✓	Lapped
FOREC'TLE SIDE PLATING			11.0 ✓	✓		„ ✓	22	90 ✓	2. ✓	22.0	80 ✓	Lapped

WATERTIGHT BULKHEADS.

FORGINGS and CASTINGS.

Total No. of W.T. BULKHEADS in Vessel—		11 (+4 in centre tanks)		Casting or Forging.	Scantlings.	Maker's Name.	Any departure from approved plans to be noted.
Extending to Upper Deck (Sec. 3 c)		10 (+4 in centre tanks)					
Deck next below		1 = 1st Peak.					
As per Rule		8.					
		STIFFENERS.					
Plating Thickness.		VERTICAL.		HORIZONTAL.			
		Scantlings.	Spacing.	Scantlings.	Spacing.		
MIDSHIP BULKH'D, Upper tween decks							
" " Second "							
" " Third "							
" " Holds		13.5-9.0	235x10x90x12 C	810	3 horiz. girders.		
COLLISION " (in Hold)		12.0-6.5	150x75x90 L 230x90x110 C	610	2 horiz. girders. 3 horiz. girders		
AFTER PEAK " "		13.0-7.5	150x75x90 L 230x90x110 C	610	3 horiz. girders.		
Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)				Open hearth process.			
Witkowitz Bergbau and Eisenhütten, Thyssenhütte, Dortmund Hoerder Hüttenverein, and Witkovice Mines Steel & Ironworks Corporation.				Lloyd's Register Foundation			
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.)

This vessel is similar to the same Builders' Yard No 459 -
"S" Pan Gothia", Lethenbury report No 8570.

The following plans are now forwarded:-

- ✓ Midship section.
- ✓ Longitudinal section and Plans.
- ✓ Shell expansion.
- ✓ Framing above deep tank.
- ✓ Shifting angles on Girders and Stringers.
- ✓ Alteration of Pump Room.
- ✓ Wells in Engine Room.
- ✓ After peak.
- ✓ Double bottom and engine seating.
- ✓ Rudder and Stem piece.
- ✓ Boss Castings.
- ✓ Propeller brackets.
- ✓ Stem.
- ✓ Fore peak and Deep Tank.
- ✓ Bridge and Deck House.
- ✓ Cargo Hatch.
- ✓ Rudder Quadrant.
- ✓ Tiller.
- ✓ Midship Section
- ✓ Longitudinal Section & Plans } to Build.
- also
- ✓ Forging and Castings reports (6)

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

1st Bower Anchor head. 54:1:21 M.B. 4388 23/1 35. Anchor Shank 28:2:05 M.B. 1502 23/1 35.
2nd " " " 54:1:27 M.B. 4389 23/1 35. " " 28:2:01 M.B. 1501 23/1 35.
3rd " " " 54:3:11 M.B. 4390 23/1 35. " " 28:0:22 M.B. 1500 23/1 35.
Shank anchor 25:2:06 M.B. 4391 23/1 35.

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 94.8 ft., R.Q.D. 4 ft., Bridge 36.6 ft., Forecastle 71.0 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 dk (steel)

Official No. : Signal Letters L.J.Z.K. Is bottom of Vessel coated with cement part. if not give
particulars of composition Free and after peak tank. Cement wash in fresh water double bottom tank.

PARTICULARS OF WATER BALLAST.—

Where Fitted.	SALT		Where Fitted.	SALT	
	Length. Feet.	Water Capacity. Tons.		Length. Feet.	Water Capacity. Tons.
Double bottom, aft,			Fore peak tank,	26.0	168.0
Double bottom, under Engines and Boilers,			After peak tank, OF = 273E	30.0	311.0
Double bottom, if under Engines only, FW 107E OF 132E LO 417 m ³	70.1	301.0	Deep tank, aft,	33.2	573.0
Double bottom, if under Boilers only,			Deep tank, forward, OF = 503E	16.2	478.0
Double bottom, forward,			Other tanks, if fitted, Wing oil fuel tank in ER OF 420E. (If necessary, furnish further information by sketch.)		
		Total capacity of double bottom 301.0			

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

Order for Special Survey No 209

Date 30th May 1934.

Dates of Surveys
held while building

1934. July 17, 30 Aug. 1, 3, 9, 16, 28, 23, Sept. 1, 14, 15, 18, 20, 21, Oct. 5, 8, 11, 15, 12, 16, 17, 19, Nov. 8, 16, 21, 22,
23, 28, 30 Dec. 4, 10, 11, 13, 17, 23, 29 1935 Jan. 3, 7, 9, 14, 15, 17, 18, 22, 24, 25, 26, 27 Feb. 4, 5, 15, 20, 21, 22 March 3, 5,
14, 16, 19, 21, 22, 28, April 2, 3, 4, 4, 15, 20, 27 May 6, June 19, 20, 21, 22, 25, 26, 27, 28, July 8, 9, 19, 24, 26, 29
30, 31 Aug. 1.

Total No. of Visits 97.