

STEEL STEAMER OR MOTORSHIP.

Received at London Office

MAY 20 1940

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 *12th April 1940.*Port of *Gothenburg*No. *12932*Survey held at *Gothenburg*Date First Survey *8th August 1939*Last Survey *3rd April*

1940

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

*Single Screw Motor Tanker "VARDEFJELL"*Machinery fitted *aft.*

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

*Full seaming. Carrying Petroleum in Bulk.*State Type of Erections *Port, bridge & f/c's.*TONNAGE under Tonnage Deck... *7561.76*CLASS *100 A.1.*State if with freeboard as condition of Class *No*Built at *Gothenburg*

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'-2"*Launched *14th December 1939* Yard No. *292*

Breadth (greatest moulded)

*B 60'-9"*Builders *Erikbergs Mekan. Verkstads A.B.*

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'-0"*Owners *A/S Telfjell (Olsen & Ugelstad)*

1st Longitudinal Number (L x D)

*= 15816*Managers *Olsen & Ugelstad*

2nd Numeral L x (B + D)

*= 44075*Residence *Oslo*

REGISTERED DIMENSIONS.

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

*13'-679*Port of Registry *Oslo*

Length

469.2

Breadth

61.1

Depth

34.5

Draught Moulded

26'-7 7/8"

If surveyed while building, afloat, or in dry dock

Building, afloat and on floating dock.

FRAMES, DOUBLE BOTTOM AND BEAMS.

	IN SHIP.	Any Departure from Approved Plans to be Noted.		IN SHIP.	Any Departure from Approved Plans to be Noted.
FRAMES, Spacing amidships	800		Bracket Floors, Frame	-	
" " from 1/2 length amidships to Collision bulkhead	685		" " Reversed Frame	-	
" " in peaks	605		" " Vertical Struts	-	
DE FRAMING.			Centre Girder, depth and thickness amidships	1170 x 11 1/2	
Frame Amidships, Angle [or]	280 90 12		" " top Angles	5 7/8 in. cont. weld 6th sides	
" " Extends up to	Long. brds.		" " bottom Angles	5 1/2 in. cont. weld 6th sides	
Reversed Frame Amidships, Angle [or]	280 90 12		Side Girders, No. each side and thickness	3 @ 19, 15 @ 10 1/2	
" " Extends up to	Upper deck.		Margin Plate depth (excl. of flange) and thickness	Tank top extended to shell. 13 7/8	
Depth of Framing Girder	-		" " 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	280 90 12		Tank Side Brackets, height above base line at toe of Frame and thickness	As per app'd plan.	
" " in Peaks, Angle [or]	200 90 10 1/2		INNER BOTTOM PLATING.		
Diameter and Spacing of Rivets through Frame and Shell Plating amidships	22 @ 135		Breadth and thickness of Middle Line Strake	2696 x 13	
State if Frame Joggled	Yes		Thickness of remainder in Holds	13	
Are the scantlings and arrangements in the Panting Area in accordance with the Rules and/or 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	
Are the scantlings and arrangements in way of the Bottom Forward in accordance with the Rules and/or as approved?	Yes		BEAMS.		
ANGLE BOTTOM.			Uppermost Continuous Deck, amidships	200 x 90 x 10 Centre	
Floors, Depth and thickness at mid-line in Holds	-		" " in way of Bridge, Angle [or]	200 x 90 x 10 Sides	
Height of Brackets at side above base line at toe of frame	-		" " Spacing	800	
Middle Line Keelson, on Floors, Angles [or]	1700 x 12 1/2		Second Deck, amidships, Angle [or]	-	
" " Through Plate	200 90 12 Double		" " Spacing	-	
" " TOP BULB ANGLE	9 7/8 in. cont. weld both sides		Third Deck, amidships, Angle [or]	-	
" " TO KEEL PLATE	One, in centre tanks.		" " Spacing	-	
Side Keelsons, No. each side	1700 x 12 1/2		Fourth Deck, amidships, Angle [or]	-	
" " DEPTH AND THROUGH/ thickness of Intermediate Plate	280 x 90 x 14 1/2 Single		" " Spacing	-	
" " TOP BULB ANGLE	5 1/2 in. cont. weld both sides		Poop Deck, Angle [or]	230 90 12	
" " Angles TO BOTTOM PLATING	9 7/8 in. for 2 frame spaces beyond bulkheads.		" " Spacing	200 75 12	
DOUBLE BOTTOM. (IN MOTOR ROOM)			" " Spacing	200 75 11	
Solid Floors, thickness and spacing	10 1/2 in. Entry frame. 12 1/2 in. W.T.		Bridge Deck, Angle [or]	230 90 11	
" " Are Frame and Reversed Frame joggled?	Reversed only.		" " Spacing	800	
Bracket Floors, breadth and thickness at middle line	-		Forecastle Deck, Angle [or]	200 75 10	
" " breadth and thickness at margin plate	-		" " Spacing	180 75 10	
				685 - 605	

PILLARS AND DECKS.

	Inches IN SHIP. <i>m</i>	Any Departure from Approved Plans to be Noted.		Inches IN SHIP. <i>m</i>	Any Departure from Approved Plans to be Noted.
PILLARS, No. of Rows.....	-		BEAMS IN WAY OF HORIZONTAL GIRDERS		
" in 'tween Decks, Size and Spacing.....	-		Stringer Plate, breadth and thickness in way of Bridge	7'80 90 9.	L 2m x 70 x 10
" " " " "	-		Thickness of Plating abreast Deck openings in way of Wells	-	
" in Holds " "	-		Thickness of Plating abreast Deck openings in way of Bridge	-	
<i>Longitudinal</i> " " "	-		Thickness of Plating within line of openings...	-	
Center Line Bulkhead 5.			If Sheathed, material and thickness	-	
Stiffeners and Spacing.....	Channels 260x10x90x14. @ 800 L.	✓	Third Deck.		
Plating, thickness of	13, 1 1/2, 10 1/2, 10, 9 1/2 10 (top).	✓	Stringer Plate, breadth and thickness.....	-	
STRINGERS AND DECKS.			If Plated, state thickness.....	-	
Uppermost Continuous Deck.			Fourth Deck.		
Stringer Plate, breadth and thickness in Wells	2'00x2 1/2 - 11 27 at breako.	✓	Stringer Plate, breadth and thickness.....	-	
" " " " in way of Bridge	-	✓	If Plated, state thickness	-	
" Angle in Wells	160 160 22 20 90 90 11	✓	Poop Deck.		
Thickness of Plating abreast Deck openings in way of Wells	20 - 9	✓	Stringer Plate, breadth and thickness	9	✓
Thickness of Plating abreast Deck openings in way of Bridge	-		Plating, Sheathing, material and thickness ...	6 1/2, Oregon pine, 2 1/2".	✓
Thickness of Plating within line of openings..	{ 12 - 9 20-9 center stiches	✓	Bridge Deck.		
If Sheathed, material and thickness	-		Stringer Plate, breadth and thickness.....	1695 X 10	✓
HORIZONTAL GIRDERS IN SIDE TANKS.			Plating, Sheathing, material and thickness {	3 1/2	✓
Second Deck.	No. Two.	✓	Forecastle Deck.		
Stringer Plate, breadth and thickness in Wells	1150 X 10	✓	Stringer Plate, breadth and thickness.....	9 1/2	✓
Welded to shell and bulkheads.			Plating, Sheathing, material and thickness ...	9	✓

SHELL PLATING.

SCANTLINGS.					RIVETING.								
STRAKES.	AS IN VESSEL.				ANY DEPARTURE FROM APPROVED PLANS TO BE NOTED.	EDGES. <i>No</i> State if jogged?			BUTTS.				
	AMIDSHIPS.		FORWARD.	AFT.		SINGLE OR DOUBLE.	RIVETS.		NO. OF ROWS OF RIVETS.	RIVETS.		STRAPPED OR LAPPED.	
	Breadth.	Thickness.	Thickness.	Thickness.			Diam.	Spacing or to cr.		Diam.	Spacing or to cr.		
	<i>Inches</i> <i>Th</i>	<i>Inches</i> <i>Th</i>	<i>Inches</i> <i>Th</i>	<i>Inches</i> <i>Th</i>			<i>Inches</i> <i>Th</i>	<i>Inches</i> <i>Th</i>		<i>Inches</i> <i>Th</i>	<i>Inches</i> <i>Th</i>		
FLAT PLATE KEEL	<i>2130</i>	<i>24</i>	<i>20</i>	<i>20</i>		<i>Double</i>	<i>25</i>	<i>20100</i>		<i>Butts electrically welded.</i>			
" DELG. (if any)		<i>—</i>											
BOTTOM PLATING, No. of Strakes		<i>17 1/2</i>	<i>19 1/2</i> <i>20 1/2</i> <i>12 1/2</i>	<i>12 1/2</i>		<i>—</i>	<i>22</i>	<i>8289</i>		<i>—</i>	<i>—</i>		
BILGE PLATING, No. of Strakes		<i>17 1/2</i>	<i>12 1/2</i>	<i>12 1/2</i>		<i>—</i>	<i>22</i>	<i>9280</i>		<i>—</i>	<i>—</i>		
SIDE PLATING, No. of Strakes		<i>16 1/2</i>	<i>12</i>	<i>12</i>		<i>—</i>	<i>22</i>	<i>9280</i>		<i>—</i>	<i>—</i>		
UPPER DECK, Sheer-strake in Wells	<i>1920</i>	<i>24</i>	<i>12</i>	<i>12</i>		<i>—</i>	<i>25</i>	<i>8289</i>		<i>—</i>	<i>—</i>		
UPPER DECK, Sheer-strake in Bridge ...		<i>—</i>											
STRAKE BELOW Sheer-strake in Wells	<i>2100</i>	<i>19 1/2</i>	<i>12</i>	<i>12</i>									
STRAKE BELOW Sheer-strake in Bridge ...													
POOP SIDE PLATING				<i>10</i>		<i>Single</i>	<i>19</i>	<i>75</i>	<i>10.</i>	<i>19</i>	<i>67</i>	<i>Lapped.</i>	
BRIDGE SIDE PLATING ...		<i>11</i>				<i>—</i>	<i>22</i>	<i>90</i>	<i>"</i>	<i>"</i>	<i>4</i>	<i>75</i>	
FOREC'TLE SIDE PLATING			<i>11</i>			<i>—</i>	<i>19</i>	<i>75</i>	<i>10.</i>	<i>19</i>	<i>67.</i>	<i>Lapped.</i>	

WATERTIGHT BULKHEADS.

Total No. of W.T. BULKHEADS in Vessel—*12 (+4 in center tanks only).*
Extending to Upper Deck (Sec. 3 c) *11 (+4 " " " ").*
 " Deck next below *1.*
As per Rule *7.*

FORGINGS and CASTINGS.

	Casting or Forging.	Scantlings.	Maker's Name.	Any Departure from Approved Plans to be Noted.
KEEL, Bar		Flat plate heel.		
STEM		Roll'd flat bar.		
STERN FRAME {	Propeller Post	Casting as per app ^d plan	MAKERS: RUHRSTAHL A. 4. HEN- RICHSHÜTTE.	
	Rudder "	" " " " "		
Speed of Vessel		12 knots.		
RUDDER—Type		Normal.		
" A x D		71 9 1/2 FT. ³		Lön. ung.
" Diam. of head		335 tm		Hall - und
" Mainpiece at top pintle		310 x 293 tm		Eisenweiche
" " heel ...		160 x 293 tm		Discozyt.
" how constructed		As per app ^d plan.		
" double or single plate		Double, 12 tm plate.		
" coupling, vertical or horizontal		Horizontal.		

STEEL.

Manufacturer's Name or Trade Mark of the Steel used in the construction of the Vessel (state process of manufacture)
*Worth Steel Co., U.S.A.; Dornierwerke Jemmel; K. u. k. ung. Stahl- und Eisenwerke, Bicczyo; Ferrostahl S.G.,
 Thurgenthal; Gutschmiedhütte, Neu-Oberrhein. Open hearth process.*
 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.)

Sister vessels: Erikoberg's No 258 "Alexandra Hoegh", 262 "Kolligum", 263 "Immerog", 264 "Kolligum", 271 "Jotunfjell", 277 "Tolön", 283 "Lard", 287 "Tosondheim", 289 "Pontfield".

Approved plans now forwarded:

Midship Section.
Longitudinal Section and Plans.
Stem frame and rudder.
Fore end.
After end.
Double bottom in Engine Room.
Notching of brackets at longit. bld. stiffeners.
Notching of floors in double bottom.
Hatch to oil cargo tanks.
Hatch to dry cargo hold.
Gangway.
Forged steel tiller.

"As fitted" plans now forwarded:

Midship Section.
Longitudinal Section and Plans.

Certificates now forwarded:

Stem frame. Tiller. ? rudder head, quadrant
? rudder frame

Particulars of the Swedish Tonnage are:

Under deck 7561.76 tons.
Gross 8356.84 "
Net 6292.45 "

PARTICULARS OF ELECTRIC WELDING (if employed) Butts of shell and upper deck plating, transverse bulkheads in cargo tanks and cofferdams, bottom girders to shell (also butts of same girders), horizontal girders in cargo tanks and cofferdams to shell and bulkhead plating. Center girder in double bottom to heel stake and tank top, also side girder nearest to center line in same double bottom to bottom plating also floors to side girder and center girder. Tank top of double bottom to shell. Pump room entrance amidships. Gangway. Coaming of cargo hatches. Electrodes: OK 47P, 49P & 52P.

SPECIAL NOTATIONS:—Either as part of the vessel's class or for record in the Register Book Carrying Petroleum in Bulk.
Butts of shell and upper deck plating electrically welded. Machinery fitted aft. Cruiser stern.
(Heating coils fitted in the cargo tanks).
Fitted with direction finding apparatus and echo sounding device.

Particulars of Drop Test of Cast Steel Anchors, viz.:— Weight, Surveyor's Initials, Number of Certificate, Date of Test.	1st Bower	Head: 48.3:17 cwt. J.Q. 1487. 28.9.39. Shank 27.0:6 cwt. J.Q. 1492. 28.9.39.
	2nd "	49.3:0. " " 1488. " 26.2:2. " " 1493. "
	3rd "	49.1:3 " " 1489. " 26.2:26 " " 1491. "
	Stream	22.3:10 " " 1490. " "

PARTICULARS FOR RECORD in the REGISTER BOOK.—Length of Poop 92.0 ft., R.Q.D. — ft., Bridge 28.3 ft., Forecastle 40.7 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 L.K.L.X. Extreme Breadth over Belting — Over-all Length 486.25 ft.
(Circ. 1811) (Circ. 1706)

No. and Material of Decks 1 Deck (Stl) Cement in F.W. double bottom tanks, fore peak and after peak tanks.

Parts of Bottom of Vessel coated with cement or approved composition

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.	Water Capacity.	Where Fitted.	Length.	Water Capacity.
Double bottom, aft,	Cub. metres.	Feet.	Fore peak tank,	Feet.	Cub. metres.
Double bottom, under Engine and Boilers, 86.0			After peak tank,		
Double bottom, under Engine only, 50.0	67.8	168.0	Deep tank, aft,	O.F. or W.B.	140.0
Double bottom, under Boilers only, 32.0	incl. coff. dam.		Deep tank, forward,	Cross bunker, O.F.	560.0
Double bottom, forward,			Other tanks, if fitted,	O.F. or W.B.	22.5
Total length (if continuous) and Capacity			(If necessary, furnish further information by sketch.)		492.0

Order for Special Survey No. 273

Date 20th April 1938

Dates of Surveys held while building

1939. Aug. 8. 10. 14. 23. 28 29. 30. Sept. 4. 7. 13. 22. Oct. 6. 11. 12. 13. 23. 24. 25.
Nov. 6. 9. 13. 16. 23. 24. 27. 28. 30. Dec. 4. 6. 8. 11. 12. 13. 14.
1940. 3. 4. 8. 22. 30. Febr. 2. 7. 14. 27. 28. March. 6. 8. 12. 13. 14. 15. 20. 21. 27.
April 1. 2. 3.

Total No. of Visits 56