

SEP 18 1937

WRECK SECT 34838
Lloyd's Register of Shipping.
SURVEYS FOR FREEBOARD.
(COMPUTATION FOR STEAMER, SAILING SHIP, TANKER.)

503

Ship's Name "JAMES STOVE" (EX "BRALANTA")	Official Number 1011	Nationality and Port of Registry NORWEGIAN OSLO	Gross Tonnage 8215	Date of Build 7/1931	Port of Survey WELLINGTON, N.Z.
Moulded Dimensions: Length 449'-10" Breadth 59'-0" Depth 35'-6"					Date of Survey 10th & 11th AUGUST 1937
Moulded displacement at moulded draught = 85 per cent. of moulded depth 18300 tons					Surveyor's Signature <i>George D. Light</i>
Coefficient of fineness for use with Tables .80					Particulars of Classification + 100A1 <i>carrying petroleum in bulk</i>

Depth for Freeboard (D). Moulded depth Stringer plate Sheathing on exposed deck $T \left(\frac{L-S}{L} \right) =$ Depth for Freeboard (D) =	Depth correction. (a) Where D is greater than Table depth (D-Table depth) R = (b) Where D is less than Table depth (if allowed) (Table depth-D) R = If restricted by superstructures	Round of Beam correction. Moulded Breadth (B) 59'-0" Standard Round of Beam = $\frac{B \times 12}{50} =$ Ship's Round of Beam = 14³/₄" Difference Restricted to Correction = $\frac{\text{Diff}^*}{4} \times \left(1 - \frac{S_1}{L} \right) =$
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DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S ₁)	Height	Height Correction	Effective Length (E)	
Poop enclosed						Standard Height of Superstructure
.. overhang R.Q.D.
R.Q.D. enclosed						Deduction for complete superstructure
.. overhang						Percentage covered $\frac{S}{L} =$
Bridge enclosed $\frac{S_1}{L} =$
.. overhang aft $\frac{E}{L} =$
.. overhang forward						Percentage from Table, Line A. (corrected for absence of forecastle (if required))
Fore enclosed						Percentage from Table, Line B. (corrected for absence of forecastle (if required))
.. overhang						Interpolation for bridge less than 2L (if required)
Trunk aft						Deduction =
.. forward						
Tonnage opening aft						
.. .. forward						
Total						

SHEER CORRECTION

Station	Standard Ordinate	S	M	Product	Actual Ordinate	Effective Ordinate	S	M	Product
A.P.		1					1		
1/4 L from A.P.		4					4		
3/4 L		2					2		
Amidships		4					4		
3/4 L from F.P.		2					2		
1/4 L		4					4		
F.P.							1		
Total									

Correction = $\frac{\text{Difference between sums of products}}{18} \left(\frac{S}{2L} \right) =$
If limited on account of midship superstructure.

Mean actual sheer aft =
Mean standard sheer aft =

Mean actual sheer forward =
Mean standard sheer forward =

Length of enclosed superstructure forward of amidships =
L
.. .. aft of =

If limited to maximum allowance of 1 1/2 ins. per 100 ft.

Deduction for Tropical Freeboard. Addition for Winter and Winter North Atlantic Freeboard. Depth to Freeboard Deck = Summer freeboard = Moulded draught (d) = Deduction for Tropical freeboard and addition for Winter freeboard = $\frac{d}{4}$ inches = Addition for Winter North Atlantic Freeboard (if required) =	Deduction for Fresh Water. Displacement in salt water at summer load water line $\Delta =$ Tons per inch immersion at summer load water line T = Deduction = $\frac{\Delta}{40 T}$ inches =	TABULAR FREEBOARD corrected for Flush Deck (if required) Correction for coefficient <table><tr><th></th><th>+</th><th>-</th></tr><tr><td>Depth Correction</td><td></td><td></td></tr><tr><td>Deduction for superstructures</td><td></td><td></td></tr><tr><td>Sheer correction</td><td></td><td></td></tr><tr><td>Round of Beam correction</td><td></td><td></td></tr><tr><td>Correction for Thickness of Deck amidships</td><td></td><td></td></tr><tr><td>Other corrections, scantlings, etc.</td><td></td><td></td></tr></table> Summer Freeboard =		+	-	Depth Correction			Deduction for superstructures			Sheer correction			Round of Beam correction			Correction for Thickness of Deck amidships			Other corrections, scantlings, etc.		
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Depth Correction																							
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Other corrections, scantlings, etc.																							

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck:

Tropical Fresh Water Line above Centre of Disc	13" = 330	Tropical Fresh Water Freeboard	9'-8 3/4" = 2965 mm
Fresh Water Line	6 1/2" = 165	Fresh Water	8'-7 3/4" = 2635 "
Tropical Line	6 1/2" = 165	Tropical	9'-2 1/4" = 2800 "
Winter Line below	6" = 152	Winter	9'-2 1/4" = 2800 "
Winter North Atlantic Line		Winter North Atlantic	10'-2 3/4" = 3117 "

James Stone.

A new form should be prepared if any alterations that affect the freeboard have been made. If no such alterations have been made, the Surveyor should endorse the form on this side with his signature and the date.

No alterations have been made that would affect the freeboard.

George O. Lidgett

SURVEYOR TO LLOYD'S REGISTER
WELLINGTON : N.Z.

SURVEY CARRIED OUT WHILE VESSEL UNDERGOING DAMAGE REPAIRS AND HULL
SURVEY IN THE JUBILEE FLOATING DOCK, WELLINGTON, N.Z., AUGUST 1937.

Trade of ship..... CARRYING OIL IN BULK.

Names of sister ships..... "THORDIS"

Builder's name and yard number..... CALEDON SHIPBUILDING & ENGINEERING CO LTD, DUNDEE. No 336.

Owners..... LORENTZEN'S SKIBSAKTIESELSKAB, KONGENSGATE, 15, OSLO, NORWAY.

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Foundation