

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

Ship's Name: WYCHWOOD. Official Number: 184309. Nationality and Port of Registry: BRITISH LONDON. Gross Tonnage: 2506. Date of Build: 1950. Port of Survey: Date of Survey: 27-10-50. Surveyor's Signature: Particulars of Classification: Moulded Dimensions: Length 298'-4 1/2" Breadth 44'-9" Depth 21'-6". Moulded displacement at moulded draught = 85 per cent. of moulded depth tons. Coefficient of fineness for use with Tables: .736.

DEPTH FOR FREEBOARD (D). Moulded depth ... Stringer plate ... Sheathing on exposed deck T((L-S)/L) = Depth for Freeboard (D) = 21.53. DEPTH CORRECTION. (a) Where D is greater than Table depth (D-Table depth) R = +3.77" (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) Standard Round of Beam = B x 12 / 50 = Ship's Round of Beam = Difference Restricted to Correction = Diff/4 x (1 - S/L) = -.04"

DEDUCTION FOR SUPERSTRUCTURES. Standard Height of Superstructure 6.48. R.Q.D. Deduction for complete superstructure 35.23. Percentage covered S/L = 47.47. S1/L = 44.09. E/L = Percentage from Table, Line A. TIMBER. 65.55. (corrected for absence of forecastle (if required)) Percentage from Table, Line B. (corrected for absence of forecastle (if required)) Interpolation for bridge less than .2L (if required) Deduction = 35.23 x .6555 = -23.09"

SHEER CORRECTION. Station Standard Ordinate S M Product Actual Ordinate Effective Ordinate S M Product Mean actual sheer aft Mean standard sheer aft Mean actual sheer forward Mean standard sheer forward Length of enclosed superstructure L forward of amidships = aft of = Correction = Difference between sums of products / 18 = -.07. If limited on account of midship superstructure. 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 = 21.54. Timber. Summer freeboard = 2.04. Moulded draught (d) = 19.50. Deduction for Tropical freeboard and addition for Winter freeboard = d/4 inches = 5". Addition for Winter North Atlantic Freeboard (if required) = d/3 = 6 1/2". 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 = Delta/40 T inches = 5". TABULAR FREEBOARD corrected for Flush Deck (if required) Correction for coefficient 1.416/1.36. Depth Correction 3.77. Deduction for superstructures 23.09. Sheer correction 1.07. Round of Beam correction .04. Correction for Thickness of Deck amidships. Other corrections, scantlings, etc. Summer Freeboard = 24.35.

SUMMER FREEBOARD amidships from Centre of Disc to top of Deck Line, Wood, Steel, Deck: - Tropical Fresh Water Line above Centre of Disc 22" Timber. Fresh Water Line 17" Tropical Line 17" Winter Line 5 1/2" Winter North Atlantic Line 6 1/2" ABOVE BELOW SUMMER LINE. ABOVE 12" Tropical Fresh Water Freeboard 2'-0 1/2" Fresh Water 1'-2 1/2" Tropical 1'-7 1/2" Winter 2'-1 1/2" Winter North Atlantic 3'-1 1/2" Lloyd's Register Foundation 004918 - 004926 - 0076