

PRELIMINARY

FOR SCANTLINGS ONLY METRIC UNITS.

Rpt. C.11 (Comp.)

For LONDON OFFICE ONLY

LLOYD'S REGISTER OF SHIPPING SURVEYS FOR FREEBOARD (COMPUTATION FOR STEAMER, SAILING SHIP, TANKER)

Received Index No. Govt. Copy Owners C11

Ship's Name: NAKSKOV. Official Number: YARD Nos. 172/3. Nationality and Port of Registry: RUSSIAN. Gross Tonnage: Port of Survey: COPENHAGEN. Date of Survey: NOV. 1962. Surveyor's Signature: [Signature]. Particulars of Classification: +100A1 CONTEMPLATED.

Moulded Dimensions: Length 148.20 Breadth 21.19 Depth 13.10. Freeboard Length 148.20' to top of rudder stock. Moulded displacement at moulded draught = 85 per cent. of moulded depth (excluding bossing). Coefficient of fineness for use with Tables < 0.68

DEPTH FOR FREEBOARD (D). M. 4/5 = 9.880. DEPTH CORRECTION. (a) Where D is greater than Table depth (D-Table depth) R = 8.33(13.134-9.880) 36 = +813 m/m. (b) Where D is less than Table depth (if allowed) (Table depth-D) R = 3.254. If restricted by superstructures.

ROUND OF BEAM CORRECTION. Moulded Breadth (B) 21.19 m. Standard Round of Beam = B x 2 / 50 = 424 m/m. Ship's Round of Beam = 375. Difference = 49. Restricted to 12.25 x 7888. Correction = Diff / 4 x (1 - S/L) = +10 m/m.

DEDUCTION FOR SUPERSTRUCTURES.

Table with 5 columns: Mean Covered Length (S), Equivalent Enclosed Length (S1), Height, Height Correction, Effective Length (E). Rows include Poop enclosed, R.Q.D. enclosed, Bridge enclosed, F'cle enclosed, Trunk aft, Tonnage opening aft, Total.

Standard Height of Superstructure 2.29. R.Q.D. Deduction for complete superstructure 1067.01 m. Percentage covered S/L = .2112, S1/L = .2112, E/L = .2112. Percentage from Table, Line A. 10.56%. Deduction = 1067 x 10.56 = 113 m/m.

Class II closing appliances in Fore Bld.

SHEER CORRECTION.

Table with 8 columns: Station, Standard Ordinate, S, Product, Actual Ordinate, Effective Ordinate, S, Product. Rows include A.P., 1/4 L from A.P., 1/2 L, Amidships, 3/4 L from F.P., 1/4 L, F.P., Total.

Mean actual sheer aft = Mean standard sheer aft = Deficient. Mean actual sheer forward = Mean standard sheer forward = Length of enclosed superstructure forward of amidships = aft of = mil.

Correction = Difference between sums of products / 18 x (S/2L) = 8150 / 18 x (.75 - .1056) = +292 m/m. If limited to maximum allowance of 1 1/2 ins. per 100ft.

Deduction for Tropical Freeboard. Addition for Winter and Winter North Atlantic Freeboard.

Depth to Freeboard Deck = 13.134. Summer freeboard = 3.497. Moulded draught (d) = 9.637. Keel allowance = Extreme draught = Deduction for Tropical freeboard and addition for = Winter freeboard = d/4 inches = Addition for Winter North Atlantic Freeboard (if required) =

Deduction for Fresh Water.

Displacement in salt water at summer load water line. Tons per inch immersion at summer load water line. Deduction = Delta / 40 T inches =

TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient = mil. 2495. Depth Correction 813. Deduction for superstructures 113. Sheer correction 292. Round of Beam correction 10. Correction for Thickness of Deck amidships. Other corrections, scantlings, etc. Summer Freeboard = 3497.

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

Table with 2 columns: Tropical Fresh Water Line above Centre of Disc, Fresh Water Line, Tropical Line, Winter Line, Winter North Atlantic Line below. Tropical Fresh Water Freeboard, Fresh Water, Tropical, Winter, Winter North Atlantic.



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.

Trade of ship..... *International.*

SINKER
Names of ~~sister~~ ships..... *Nakskov yard nos. 166/7. Burmeister & Wain yard nos. 791/2.*

Builder's name and yard number..... *Nakskov yard nos. 172/3.*

Owners..... *U. S. S. R. Sudoimport.*

Fee £.....

List of plans forwarded for reference. (See "Instructions to Surveyors, Part 4, 1950", paragraph 11.)



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