

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

Ship's Name: Mon. Farmers 8B. Co. Regd No 387/8

Official Number: Nationality and Port of Registry: Gross Tonnage: Date of Build:

Port of Survey: Date of Survey: 24-3-44

Surveyor's Signature: Particulars of Classification: + 100 M with full carrying petroleum in bulk (Caterpillar)

Moulded Dimensions: Length 535.75 Breadth 74.0 Depth 57.0 / 35.0

Moulded displacement at moulded draught = 85 per cent. of moulded depth tons

Coefficient of fineness for use with Tables: .844 (assumed)

Depth for Freeboard (D): Moulded depth 47.80 Stringer plate .07 Sheathing on exposed deck T (L-S)/L =

Depth correction: (a) Where D is greater than Table depth (D - Table depth) R = (47.87 - 35.71) x 3 = +36.48 (b) Where D is less than Table depth (if allowed) (Table depth - D) R =

Round of Beam correction: Moulded Breadth (B) Standard Round of Beam = B x 12 / 50 = Ship's Round of Beam = Difference = assumed standard Restricted to Correction = Diff x (1 - S/L) = Nil

Depth for Freeboard (D) = 47.87 If restricted by superstructures

DEDUCTION FOR SUPERSTRUCTURES.

|                     | Mean Covered Length (S) | Equivalent Enclosed Length (S <sub>i</sub> ) | Height | Height Correction | Effective Length (E) |
|---------------------|-------------------------|--|--------|-------------------|----------------------|
| Poop enclosed       |                         |  |        |                   |                      |
| .. overhang         |                         |  |        |                   |                      |
| R.Q.D. enclosed     |                         |  |        |                   |                      |
| .. overhang         |                         |  |        |                   |                      |
| Bridge enclosed     |                         |  |        |                   |                      |
| .. overhang aft     |                         |  |        |                   |                      |
| .. overhang forward |                         |  |        |                   |                      |
| F'cle enclosed      |                         |  |        |                   |                      |
| .. overhang         |                         |  |        |                   |                      |
| Trunk aft           |                         |  |        |                   |                      |
| .. forward          |                         |  |        |                   |                      |
| Tonnage opening aft |                         |  |        |                   |                      |
| .. forward          |                         |  |        |                   |                      |
| Total               |                         |  |        |                   |                      |

Standard Height of Superstructure: R.Q.D.

Deduction for complete superstructure: Percentage covered S/L = S<sub>i</sub>/L = E/L =

Percentage from Table, Line A. (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 = Nil

SHEER CORRECTION.

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

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 =

Correction = Difference between sums of products (S - S<sub>i</sub>) / 2L = Nil

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 = 47.87 Summer freeboard = 13.55 Moulded draught (d) = 34.32

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

TABULAR FREEBOARD corrected for Flush Deck (if required)

Correction for coefficient: .844 + .08 = 1.524 / 1.36 = 1.125

|  | +      | -      |
|--|--------|--------|
| Depth Correction                           | 36.48  |        |
| Deduction for superstructures              |        |        |
| Sheer correction                           |        |        |
| Round of Beam correction                   |        |        |
| Correction for Thickness of Deck amidships |        |        |
| Other corrections, scantlings, etc.        |        |        |
| Summer Freeboard                           | 112.51 | 126.60 |

Summer Freeboard = 162.58

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

|  |     |                                |     |
|--|-----|--------------------------------|-----|
| Tropical Fresh Water Line above Centre of Disc | ... | Tropical Fresh Water Freeboard | ... |
| Fresh Water Line                               | ... | Fresh Water                    | ... |
| Tropical Line                                  | ... | Tropical                       | ... |
| Winter Line below                              | ... | Winter                         | ... |
| Winter North Atlantic Line                     | ... | Winter North Atlantic          | ... |