

(YARD No. 52689)

# MIDSHIP SECTION OF OIL TANKER

SCALE 1/25

TO CLASS LLOYD'S 100A1 WITH FREEBOARD, CARRYING PETROLEUM  
IN BULK & L.M.C. WITH REINFORCEMENT OF HULL FOR ICE NAVIGATION.

## PRINCIPAL DIMENSIONS & C. I.

|                                |        |
|--------------------------------|--------|
| LENGTH O. A.                   | 62.500 |
| LENGTH BET. P. P.              | 60.000 |
| BREADTH MLD.                   | 11.000 |
| DEPTH                          | 5.200  |
| LOAD DRAUGHT MLD. (DESIGNED)   | 4.000  |
| SHEER FORE .800, AFT .500      |        |
| BEAM CAMBER FOR 11,000 BEAM    | .220   |
| RISE OF FLOOR                  | .100   |
| BILGE RADIUS                   | 1.200  |
| FOUR DECK HEIGHT, BEAM TO BEAM | 2.100  |
| POOP                           | 2.300  |
| HEIGHT OF DECK HOUSES          | 2.300  |

## SCANTLING NUMERALS IN FT. UNIT:-

|                                |           |           |
|--------------------------------|-----------|-----------|
| LENGTH BET. P.P.               | L         | 196.85    |
| BREADTH MLD.                   | B         | 36.09     |
| DEPTH                          | D         | 17.06     |
| DRAUGHT (DESIGNED)             |           | 13.12     |
| 1 <sup>ST</sup> LONG. NUMERALS | L x D     | 3358.26   |
| 2 <sup>ND</sup> " " " "        | L x (B+D) | 10,462.58 |
| PROPORTION TO UPPER DECK       | L/D       | 11.54     |

## EQUIPMENT NUMERALS IN METRIC UNIT:-

|                  |                          |         |
|------------------|--------------------------|---------|
| L x (B+D)        | 60 x (11+5.2)            | 972.00  |
| FOUR DECK        | 3/4 x 7.56 x 2.1         | 11.91   |
| POOP DECK        | 3/4 x 21.09 x 2.3        | 36.38   |
| DECK HOUSES      | 1/2 x (16.53+6.84) x 2.3 | 26.88   |
| EQUIPMENT NUMBER |                          | 1047.17 |

## LIST OF EQUIPMENTS:-

|                                     |                      |
|-------------------------------------|----------------------|
| 3-BOWER ANCHORS, STOCKLESS TYPE     | 1/30 KGS EACH        |
| 1-STREAM ANCHOR (EX. STOCK)         | 305 "                |
| STUD CHAIN CABLES                   | 385' LONG, 36.5" DIA |
| STREAM ST WIRE (6x12 FLEX ST. W.R.) | 110 " , 89 CIR.      |
| STEEL W. TOW LINE ( " )             | 165 " , 83 "         |
| MANILA ROPE FOR HAWSERS             | 1-165 " , 152 "      |
| " " " " WARPS                       | 1-165 " , 127 "      |

## FORGING & CASTING:-

|             |  |
|-------------|--|
| STEM        | CAST STEEL WITH RABBIT AS PER PLAN                         |
| STERN FRAME | " " AS PER PLAN  |
| RUDDER      | DOUBLE PLATE TYPE, FORMING STREAM LINE SECTION AS PER PLAN |

## MARKS OF WELD:-

|   |  |
|---|--|
| N | ONE SIDE TACK WELD ( " ) BOTH SIDES T.W. |
| A | " " CONT. FULL WELD ( " ) " " C.F.W.     |
| V | BUTT WELD                                |
| L | LIGHT CLOSING WELD                       |

## FRAME SPACING:-

570" APART, THROUGHOUT.

## END & EDGE LAPS OF PLATING:-

| ITEMS              | ENDS | EDGES | REMARKS                     |
|--------------------|------|-------|-----------------------------|
| KEEL PL            | 3R   | 3R    |                             |
| BOTTOM SHEEL       | 3R   | 2R    |                             |
| SIDE SHEEL         | 2R   | 2R    | FOR ICE                     |
| SHEER STRAKE       | 3R   | 2R    | NAVIGATION,                 |
| BELOW              | 3R   | 3R    | AS PER PLAN.                |
| FOUR SIDE PL       |      | 1R    |                             |
| POOP               | 2R   | 1R    | * 2 FS FROM POOP FRONT, 2R. |
| UPPER DECK STR. PL | 3R   | 2R    |                             |
| " " PL             | 2R   | 1R    |                             |
| FOUR " STR. PL     |      | 1R    |                             |
| " " PL             |      | 1R    |                             |
| POOP DECK STR. PL  | 2R   | 1R    |                             |
| " " PL             | 2R   | 1R    |                             |
| PROP. BOSS PL      |      | 3R    |                             |
| EXP. TRUNK SIDE PL | 2R   | 2R    |                             |
| C.L. BOTTOM STR.   | 3R   |       |                             |
| BHD. OTHER         | 2R   |       |                             |

## POOP & FOUR DECKS

|              | LONG POOP                             | FOUR DECK   |
|--------------|---------------------------------------|-------------|
| STRINGER PL  | 1150 x 34 - 640 x 34                  | 30"         |
| " ANGLE      | 75 x 75 x 9                           | 75 x 75 x 9 |
| DECK PL      | 30"                                   | 30"         |
| DK SHEATHING | WEATHER - 650 P<br>INSIDE H. - DK GMP | BARE        |

FOUR SIDE PL 30"

POOP SIDE PL 41-28

SHEER STRAKE :- (S)  
1150 x 49" FOR 1/2 L  
36" AT ENDS  
ACTUAL 1100 x 50 - 36"  
& 66" AT POOP FRONT.

STRAKE BELOW :- (F)  
1150 x 49" FOR 1/2 L  
36" AT ENDS  
ACTUAL 1500 x 56 - 47" AFT.  
(OWNER'S REQUIRE)

FOR ICE STRENGTHENING FORD  
SEE END SECTION PLANS.

SIDE SHEEL :- (E)  
40" FOR 1/2 L  
36" AT AFT END.

PROPELLER BOSS PLATE  
44"

BILGE KEELS:- 200 x 38" WITH 75 x 16 FB WELD TO  
SHELL, LENGTH ABOUT 18" LONG.

BOTTOM SHEEL :- (A)-(D)  
40" FOR 1/2 L  
36" AT ENDS

STRAKES (A) & (B) 44" MAINTAINED FROM 1/2 L FORD  
TO RULE POSITION OF COLLISION BHD. AS PER PLAN.

KEEL (K)  
1050 x 60" FOR 3/5 L  
50" AT ENDS.

KEEL ANGLE 90 x 90 x 13 D.A.

昭和十一年七月十七日  
出帆 東京 函館 横濱

N<sup>o</sup> 3

| 出  | 入  | 工事 | 区分 |
|----|----|----|----|
| 造船 | 造船 | 修理 | 機本 |
| 現調 | 機調 | 船渠 | 註文 |
| 取付 | 機取 | 機取 | 監督 |
|    | 機取 | 機取 | 監督 |
|    | 機取 | 機取 | 監督 |
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RET

(YARD No. 52689)  
MIDSHIP SECTION

USSR

中央横断面圖

1/25

S.2689

二重底 1 条 様式 社 横 濱 船 渠

造船設計課

|    |                  |
|----|------------------|
| 設計 |                  |
| 設計 |                  |
| 設計 |                  |
| 設計 | A. Katoh 11.6.13 |
| 設計 | C.A.             |
| 設計 | 昭和 11 年 5 月 6 日  |
| 設計 |                  |
| 設計 |                  |
| 設計 | H.201            |
| 設計 | 昭和 11 年 5 月 6 日  |

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昭和十一年七月十七日  
 出帆 第 21 回 船 3

No 3

| 出 圖 |      | 工 事<br>區 分 |       |
|-----|------|------------|-------|
| 造船  | 造機   | 修理         | 艦本    |
| 現圖  | ① 鑄造 | 船渠         | 註文    |
| 取付  | 1 鈑鉄 | 製帆         | 監督    |
|     | 旋盤   | 運輸         | 通信    |
|     | 仕上   |            | ロイヤ 5 |
|     | 型鑄   | 監査         | 海協    |
|     | 銅工   | 重量         | 註文    |
|     | 工具   | 扣 /        | 註扣    |
|     | 電氣   |            | 註水    |
|     |      |            | 註申    |

RETAIN

(YARD No. 52689)  
 MIDSHIP SECTION

USSR

中央  
 横斷面圖

尺 度 1/25  
 工 事 番 號 S.2689

三菱重工業株式會社横濱船渠  
 造船設計課

|     |                  |
|-----|------------------|
| 課 長 |                  |
| 係 長 |                  |
| 係 員 | A. Katoh 11.6.13 |
| 圖 師 | C. A.            |
| 年 日 | 昭和 11 年 5 月 6 日  |
| 圖 號 |                  |
| 負 別 | H. 201           |
| 番 號 |                  |
| 圖 面 | 第 17 頁           |



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