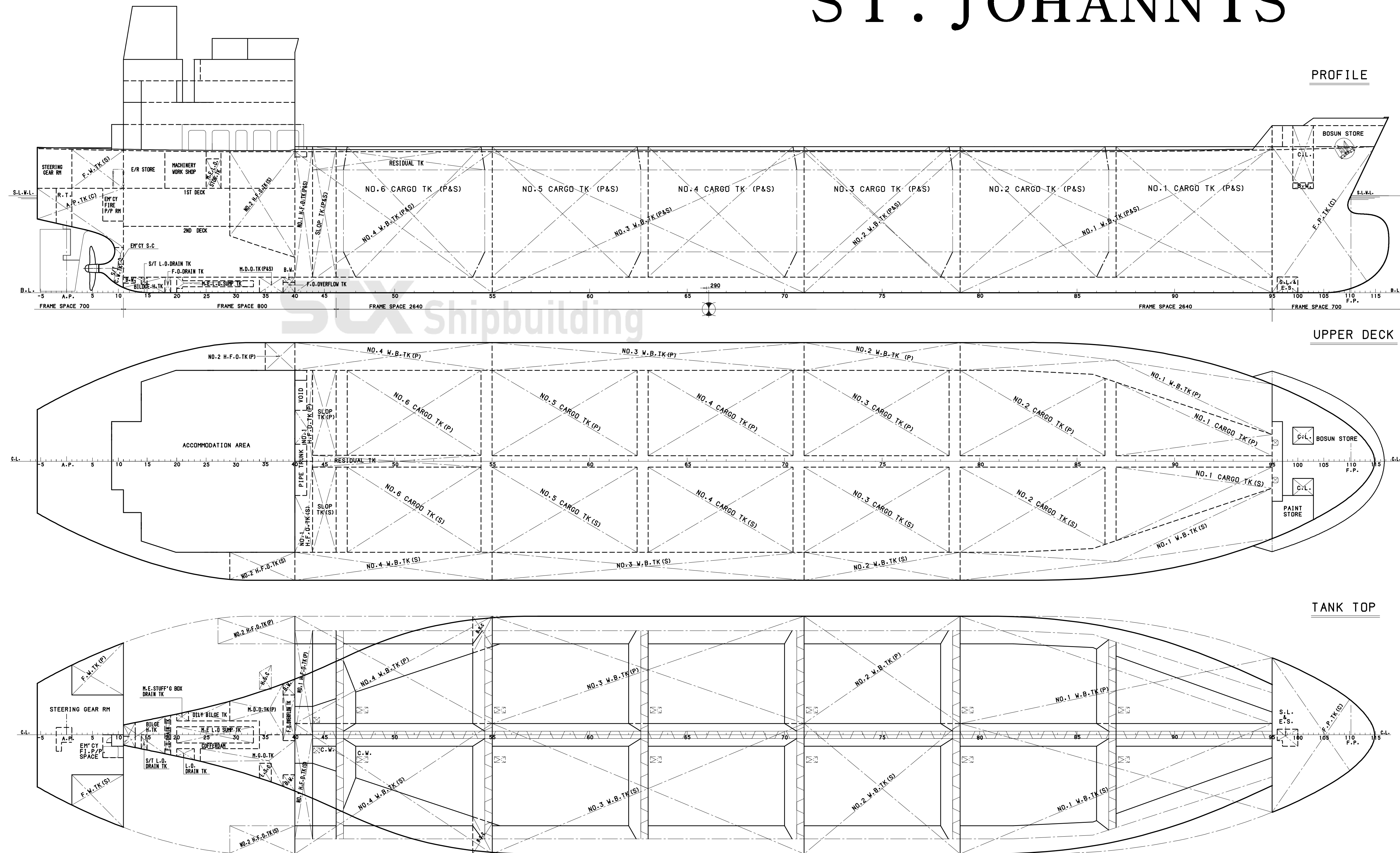


# ST. JOHANNIS



| TANK NO.         | TANK NAME                    | FRAME NO. | TANK CAPACITIES [VOLUME (M <sup>3</sup> ), WEIGHT (MT)] |        |         |        |                |                   |                |          |        |        |        |        | CENTER OF GRAVITY (M) |        | MAX MOMENT OF INERTIA (M <sup>4</sup> ) |         |
|------------------|------------------------------|-----------|---|--------|---------|--------|----------------|-------------------|----------------|----------|--------|--------|--------|--------|-----------------------|--------|---|---------|
|                  |                              |           | 100%  |        | W.B     | F.W    | HEAVY FUEL OIL | MARINE DIESEL OIL | MARINE GAS OIL | LUB. OIL | MISC.  | 100%   |        |        |                       |        |   |         |
|                  |                              |           | VOLUME  | WEIGHT | 100%    | WEIGHT | WEIGHT         | VOLUME            | WEIGHT         | VOLUME   | WEIGHT | VOLUME | WEIGHT | WEIGHT | WEIGHT                | L.C.G. |   | T.C.G.  |
| 201              | F.P. TK(C)                   | 95        | F.E.  | 2208.1 | 2263.3  |        |                |                   |                |          |        |        |        |        | 81.107                | 10.353 | -0.002                                  | 3380.1  |
| 202              | NO.1 W.B. TK(P)              | 79        | 95  | 3266.1 | 3347.8  |        |                |                   |                |          |        |        |        |        | 55.868                | 7.955  | -10.595                                 | 7423.9  |
| 203              | NO.1 W.B. TK(S)              | 79        | 95  | 3829.3 | 3925.0  |        |                |                   |                |          |        |        |        |        | 55.762                | 7.129  | 9.037                                   | 13749.9 |
| 204              | NO.2 W.B. TK(P)              | 71        | 79  | 1532.2 | 1570.5  |        |                |                   |                |          |        |        |        |        | 23.932                | 6.424  | -11.913                                 | 5432.5  |
| 205              | NO.2 W.B. TK(S)              | 71        | 79  | 1813.8 | 1859.1  |        |                |                   |                |          |        |        |        |        | 23.860                | 5.789  | 10.063                                  | 9660.7  |
| 206              | NO.3 W.B. TK(P)              | 55        | 71  | 3059.1 | 3135.6  |        |                |                   |                |          |        |        |        |        | -7.715                | 6.434  | -11.807                                 | 10830.3 |
| 207              | NO.3 W.B. TK(S)              | 55        | 71  | 3622.4 | 3713.0  |        |                |                   |                |          |        |        |        |        | -7.792                | 5.797  | 10.066                                  | 19270.3 |
| 208              | NO.4 W.B. TK(P)              | 40        | 55  | 1890.1 | 1937.4  |        |                |                   |                |          |        |        |        |        | -42.215               | 7.020  | -11.407                                 | 3827.4  |
| 209              | NO.4 W.B. TK(S)              | 40        | 55  | 2214.4 | 2269.8  |        |                |                   |                |          |        |        |        |        | -42.110               | 6.339  | 9.750                                   | 7090.6  |
| 210              | A.P. TK(C)                   | A.E.      | 11  | 720.0  | 738.0   |        |                |                   |                |          |        |        |        |        | -83.999               | 11.914 | -0.088                                  | 6073.4  |
| Sub. T O T A L   |                              |           | -   | -      | 24155.5 | -      | -              | -                 | -              | -        | -      | -      | -      | -      | -                     | -      | -                                       | 86739.1 |
| 301              | F.W. TK(P)                   | 1         | 11  | 200.8  |         |        | 200.8          |                   |                |          |        |        |        |        | -82.429               | 16.884 | -8.166                                  | 120.7   |
| 302              | F.W. TK(S)                   | 1         | 11  | 200.8  |         |        | 200.8          |                   |                |          |        |        |        |        | -82.429               | 16.884 | -8.166                                  | 120.7   |
| Sub. T O T A L   |                              |           | -   | -      | 401.6   | -      | -              | -                 | -              | -        | -      | -      | -      | -      | -                     | -      | -                                       | 241.4   |
| 401              | NO1.H.F.O. TK(P)             | 40        | 43  | 382.3  |         |        | 374.7          | 367.2             |                |          |        |        |        |        | -54.738               | 11.074 | -5.518                                  | 462.8   |
| 402              | NO1.H.F.O. TK(S)             | 40        | 43  | 478.9  |         |        | 467.4          | 458.1             |                |          |        |        |        |        | -54.842               | 11.670 | 6.310                                   | 560.6   |
| 403              | NO2.H.F.O. TK(P)             | 27        | 40  | 231.3  |         |        | 226.7          | 222.2             |                |          |        |        |        |        | -60.367               | 12.166 | -14.126                                 | 34.7    |
| 404              | NO2.H.F.O. TK(S)             | 29        | 40  | 343.5  |         |        | 336.6          | 329.9             |                |          |        |        |        |        | -60.226               | 13.539 | 14.037                                  | 39.2    |
| 405              | LOW SULPHUR H.F.O.SERV. TK   | 40        | 42  | 44.8   |         |        | 43.9           | 43.0              |                |          |        |        |        |        | -55.262               | 13.806 | -7.700                                  | 3.9     |
| 406              | H.F.O. SERV. TK              | 40        | 42  | 44.8   |         |        | 43.9           | 43.0              |                |          |        |        |        |        | -55.262               | 13.806 | -10.780                                 | 3.9     |
| 407              | H.F.O. SETT. TK              | 36        | 40  | 45.1   |         |        | 44.2           | 43.3              |                |          |        |        |        |        | -57.850               | 13.710 | -13.080                                 | 0.9     |
| Sub. T O T A L   |                              |           | -   | -      | 1568.7  | -      | -              | -                 | -              | -        | -      | -      | -      | -      | -                     | -      | -                                       | 1106.0  |
| 501              | M.D.O. TK(P)                 | 29        | 38  | 51.6   |         |        |                | 50.6              | 46.6           |          |        |        |        |        | -60.447               | 1.209  | -2.786                                  | 83.9    |
| 502              | M.D.O. SETT. TK              | 30        | 32  | 10.2   |         |        |                | 10.0              | 9.2            |          |        |        |        |        | -63.250               | 16.290 | -13.080                                 | 0.5     |
| 503              | M.D.O. SERV. TK              | 30        | 35  | 59.4   |         |        |                | 58.2              | 53.5           |          |        |        |        |        | -61.833               | 16.573 | -14.468                                 | 13.7    |
| Sub. T O T A L   |                              |           | -   | -      | 121.2   | -      | -              | -                 | -              | -        | -      | -      | -      | -      | -                     | -      | -                                       | 98.1    |
| 504              | M.D.O. TK                    | 24        | 40  | 75.0   |         |        |                |                   |                | 73.5     | 65.4   |        |        |        | -60.669               | 1.201  | -2.758                                  | 89.1    |
| 505              | M.D.O. SERV. TK              | 27        | 30  | 39.5   |         |        |                |                   |                | 38.7     | 34.5   |        |        |        | -65.235               | 16.545 | -14.169                                 | 9.5     |
| Sub. T O T A L   |                              |           | -   | -      | 114.5   | -      | -              | -                 | -              | -        | -      | -      | -      | -      | -                     | -      | -                                       | 98.6    |
| 601              | M.E.L.O. SUPP. TK            | 20        | 33  | 19.0   |         |        |                |                   |                |          |        | 18.6   | 16.7   |        | -67.136               | 1.243  | -0.004                                  | 9.5     |
| 602              | LOW TBN C.Y.L.O. STOR. TK    | 29        | 31  | 15.6   |         |        |                |                   |                |          |        | 15.3   | 13.8   |        | -64.050               | 16.290 | -9.625                                  | 1.6     |
| 603              | C.Y.L.O. STOR. TK            | 27        | 29  | 15.6   |         |        |                |                   |                |          |        | 15.3   | 13.8   |        | -65.850               | 16.290 | -9.625                                  | 1.6     |
| 604              | NO.1 M.E.L.O. STOR. TK       | 25        | 27  | 15.1   |         |        |                |                   |                |          |        | 14.8   | 13.3   |        | -67.021               | 16.354 | -14.742                                 | 1.1     |
| 605              | NO.2 M.E.L.O. STOR. TK       | 25        | 27  | 12.8   |         |        |                |                   |                |          |        | 12.5   | 11.3   |        | -67.050               | 16.290 | -13.080                                 | 0.6     |
| 606              | M.E.L.O. SETT. TK            | 25        | 27  | 19.4   |         |        |                |                   |                |          |        | 19.0   | 17.1   |        | -67.050               | 16.290 | -11.165                                 | 2.1     |
| 607              | G.E.L.O. STOR. TK            | 25        | 27  | 13.0   |         |        |                |                   |                |          |        | 12.7   | 11.4   |        | -67.050               | 16.290 | -7.700                                  | 0.6     |
| 608              | G.E.L.O. SETT. TK            | 25        | 27  | 13.0   |         |        |                |                   |                |          |        | 12.7   | 11.4   |        | -67.050               | 16.290 | -9.240                                  | 0.6     |
| Sub. T O T A L   |                              |           | -   | -      | 123.5   | -      | -              | -                 | -              | -        | -      | -      | -      | -      | -                     | -      | -                                       | 17.7    |
| 701              | BILGE H. TK                  | 11        | 18  | 27.1   |         |        |                |                   |                |          |        |        |        | 13.6   | -75.714               | 1.202  | -0.048                                  | 23.7    |
| 702              | S/T L.O. DRAIN TK            | 14        | 15  | 1.4    |         |        |                |                   |                |          |        |        |        | 0.7    | -76.444               | 1.630  | 0.911                                   | 0.5     |
| 703              | OILY BILGE TK                | 22        | 29  | 13.9   |         |        |                |                   |                |          |        |        |        | 7.0    | -67.234               | 1.357  | -2.663                                  | 4.3     |
| 704              | F.O. DRAIN TK                | 18        | 19  | 6.6    |         |        |                |                   |                |          |        |        |        | 3.3    | -73.245               | 1.214  | 0.000                                   | 9.4     |
| 705              | L.O. DRAIN TK                | 20        | 23  | 3.1    |         |        |                |                   |                |          |        |        |        | 1.6    | -70.732               | 1.470  | 2.348                                   | 0.4     |
| 706              | F.O. OVERFLOW TK             | 38        | 40  | 20.0   |         |        |                |                   |                |          |        |        |        | 10.0   | -56.841               | 1.113  | -2.261                                  | 47.5    |
| 707              | SLUDGE TK                    | 29        | 37  | 14.6   |         |        |                |                   |                |          |        |        |        | 7.3    | -61.650               | 8.500  | -9.625                                  | 6.6     |
| 708              | S/T C.W. TK                  | 7         | 11  | 11.0   |         |        |                |                   |                |          |        |        |        | 5.5    | -80.171               | 2.939  | -0.010                                  | 2.0     |
| 709              | M.E. STUFF'G BOX DRAIN TK    | 20        | 22  | 1.9    |         |        |                |                   |                |          |        |        |        | 1.0    | -71.194               | 1.490  | -2.310                                  | 0.2     |
| 801              | HYD.O. STOR. TK FOR HYD.P.P. | 36        | 39  | 20.1   |         |        |                |                   |                |          |        |        |        |        | -58.050               | 8.500  | -1.155                                  | 121.5   |
| 802              | RESIDUAL TK                  | 43        | 55  | 100.9  |         |        |                |                   |                |          |        |        |        |        | -42.123               | 18.172 | 0.000                                   | 6.4     |
| T O T A L        |                              |           | -   | -      | 24759.5 | 401.6  | 1537.4         | 1506.7            | 118.8          | 109.3    | 112.2  | 99.9   | 120.9  | 108.8  | -                     | -      | -                                       | -       |
| SPECIFIC GRAVITY |                              |           | -   | -      | 1.025   | 1.000  | 0.980          | 0.920             | 0.890          | 0.900    | 0.890  | 0.900  | 1.000  | 0.890  | -                     | -      | -                                       | -       |

| KIND OF FREEBOARD    | TROPICAL FRESH (TF) | FRESH (F) | TROPICAL (T) | SUMMER (S) | WINTER (W) |
|----------------------|---------------------|-----------|--------------|------------|------------|
| GRID LETTER          |                     |           |              |            |            |
| FREEBOARD DEPTH (MM) |                     |           | 19113        |            |            |
| FREEBOARD (MM)       | 5414                | 5688      | 5709         | 5983       | 6257       |
| DRAFT (EXT.) (MM)    | 13716               | 13442     | 13421        | 13147      | 12873      |
| DISPLACEMENT (MT)    | 62703.3             | 61315.0   | 62738.8      | 61315.8    | 59892.8    |
| LIGHTWEIGHT (MT)     |                     |           | 10097.6      |            |            |
| DEADWEIGHT (MT)      | 52605.7             | 51217.4   | 52641.2      | 51218.2    | 49795.2    |

| KIND OF FREEBOARD    | FRESH (F) | SUMMER (S) |
|----------------------|-----------|------------|
| GRID LETTER          | (T)       | (S)        |
| FREEBOARD DEPTH (MM) | 19113     |            |
| FREEBOARD (MM)       | 5929      | 6218       |
| DRAFT (EXT.) (MM)    | 13201     | 12912      |
| DISPLACEMENT (MT)    | 60093.9   | 60096.6    |
| LIGHTWEIGHT (MT)     | 10097.6   |            |
| DEADWEIGHT (MT)      | 49996.3   | 49999.0    |

| KIND OF FREEBOARD    | FRESH (F) | SUMMER (S) |
|----------------------|-----------|------------|
| GRID LETTER          | (T)       | (S)        |
| FREEBOARD DEPTH (MM) | 19113     |            |
| FREEBOARD (MM)       | 7914      | 8160       |
| DRAFT (EXT.) (MM)    | 11216     | 10970      |
| DISPLACEMENT (MT)    | 50102.4   | 50096.6    |
| LIGHTWEIGHT (MT)     | 10097.6   |            |
| DEADWEIGHT (MT)      | 40004.8   | 39999.0    |

| TANK NO.  | TANK NAME         | FRAME NO. | CAPACITIES |         | CENTER OF GRAVITY (M) |          |          | MAX MOMENT OF INERTIA (M <sup>4</sup> ) |        |
|-----------|-------------------|-----------|------------|---------|-----------------------|----------|----------|---|--------|
|           |                   |           | (100%)     | (98%)   | (100%)                |          |          |   |        |
|           |                   | FROM      | TO         | CUB. M. | C. U. B. M.           | L. C. G. | V. C. G. | T. C. G.                                |        |
| 101       | NO.1 CARGO TK (P) | 87        | 95         | 3136.7  | 3074.0                | 64.030   | 10.972   | -4.776                                  | 1798.1 |
| 102       | NO.1 CARGO TK (S) | 87        | 95         | 3143.1  | 3080.2                | 64.030   | 10.972   | 4.776                                   | 1798.1 |
| 103       | NO.2 CARGO TK (P) | 79        | 87         | 4713.6  | 4619.3                | 43.893   | 10.899   | -6.902                                  | 4692.2 |
| 104       | NO.2 CARGO TK (S) | 79        | 87         | 4722.3  | 4627.9                | 43.893   | 10.899   | 6.902                                   | 4692.2 |
| 105       | NO.3 CARGO TK (P) | 71        | 79         | 4802.7  | 4706.6                | 22.886   | 10.999   | -7.015                                  | 4933.7 |
| 106       | NO.3 CARGO TK (S) | 71        | 79         | 4799.6  | 4703.6                | 22.886   | 10.999   | 7.015                                   | 4933.7 |
| 107       | NO.4 CARGO TK (P) | 63        | 71         | 4796.8  | 4700.9                | 1.766    | 10.899   | -7.015                                  | 4933.7 |
| 108       | NO.4 CARGO TK (S) | 63        | 71         | 4803.4  | 4707.3                | 1.766    | 10.899   | 7.015                                   | 4933.7 |
| 109       | NO.5 CARGO TK (P) | 55        | 63         | 4803.7  | 4707.6                | -19.353  | 10.900   | -7.015                                  | 4933.7 |
| 110       | NO.5 CARGO TK (S) | 55        | 63         | 4798.0  | 4702.0                | -19.353  | 10.900   | 7.015                                   | 4933.7 |
| 111       | NO.6 CARGO TK (P) | 47        | 55         | 4324.2  | 4237.7                | -39.745  | 11.235   | -6.801                                  | 4700.1 |
| 112       | NO.6 CARGO TK (S) | 47        | 55         | 4339.9  | 4253.1                | -39.745  | 11.235   | 6.801                                   | 4700.1 |
| 113       | SLOP TK (P)       | 43        | 47         | 714.8   | 700.5                 | -51.856  | 11.716   | -6.475                                  | 864.3  |
| 114       | SLOP TK (S)       | 43        | 47         | 723.0   | 708.5                 | -51.856  | 11.716   | 6.475                                   | 864.3  |
| T O T A L |                   |           |            | 54621.8 | 53529.4               |          |          |   |        |

PROFILE

UPPER DECK

TANK TOP

MIDSHIP SECTION

2ND DECK

1ST DECK

PLAN HISTORY

| DATE       | REV. | DESCRIPTION                  | DWN.    | CHKD.    | MGR.    |
|------------|------|------------------------------|---------|----------|---------|
| 2007.01.25 | △    | DRAWN BY BASIC RESEARCH TEAM | M.W.LEE | J.D.PARK | C.J.KIM |

DEADWEIGHT SCALE

| DRAFT (M)         | DWT (MT) |       | DISP. (MT) |       | T-P.C (MT) |       | M-T.C (MT) |       | DRAFT (M) |
|-------------------|----------|-------|------------|-------|------------|-------|------------|-------|-----------|
|                   | FW       | SW    | FW         | SW    | FW         | SW    | FW         | SW    |           |
| 13.0              | 52000    | 54000 | 62000      | 64000 | 62000      | 64000 | 62000      | 64000 | 13.0      |
| 12.0              | 44000    | 46000 | 54000      | 56000 | 54000      | 56000 | 54000      | 56000 | 12.0      |
| 11.0              | 38000    | 40000 | 48000      | 50000 | 48000      | 50000 | 48000      | 50000 | 11.0      |
| 10.0              | 34000    | 36000 | 44000      | 46000 | 44000      | 46000 | 44000      | 46000 | 10.0      |
| 9.0               | 30000    | 32000 | 40000      | 42000 | 40000      | 42000 | 40000      | 42000 | 9.0       |
| 8.0               | 26000    | 28000 | 36000      | 38000 | 36000      | 38000 | 36000      | 38000 | 8.0       |
| 7.0               | 22000    | 24000 | 32000      | 34000 | 32000      | 34000 | 32000      | 34000 | 7.0       |
| 6.0               | 18000    | 20000 | 28000      | 30000 | 28000      | 30000 | 28000      | 30000 | 6.0       |
| 5.0               | 14000    | 16000 | 24000      | 26000 | 24000      | 26000 | 24000      | 26000 | 5.0       |
| 4.0               | 10000    | 12000 | 20000      | 22000 | 20000      | 22000 | 20000      | 22000 | 4.0       |
| 3.0               | 6000     | 8000  | 16000      | 18000 | 16000      | 18000 | 16000      | 18000 | 3.0       |
| 2.0               | 2000     | 4000  | 12000      | 14000 | 12000      | 14000 | 12000      | 14000 | 2.0       |
| 1.0               | 0        | 0     | 10000      | 10000 | 10000      | 10000 | 10000      | 10000 | 1.0       |
| LIGHT SHIP WEIGHT |          |       | 10097.6 MT |       |            |       |            |       |           |

PRINCIPAL PARTICULARS

|                    |          |
|--------------------|----------|
| LENGTH O.A.        | 183.00 M |
| LENGTH B.P.        | 173.90 M |
| BREADTH (MLD)      | 32.20 M  |
| DEPTH (MLD)        | 19.10 M  |
| DRAFT Design (MLD) | 11.00 M  |
| Scantling (MLD)    | 13.13 M  |

|  |
|--|
| THIS DRAWING OR DOCUMENT IS THE PROPERTY OF STX SHIPBUILDING CO., LTD. AND MUST NOT BE PARTIALLY OR WHOL |
|--|