



MAIN PARTICULARS
主要尺度

| | | |
|---------------------|------|---------|
| LENGTH OVERALL | 总长 | 97.25 m |
| LENGTH BETWEEN P.P. | 垂线间长 | 92.00 m |
| BREADTH MOULDED | 型宽 | 16.00 m |
| DEPTH MOULDED | 型深 | 8.20 m |
| DESIGNED DRAFT | 设计吃水 | 5.30 m |

EXPLANATION:
 VNET net volume m³
 CGX x-coordinate of center of gravity m
 CGY y-coordinate of center of gravity m
 CGZ z-coordinate of center of gravity m
 CGX: (+) FROM A.P. FORWARD; (-) FROM A.P. AFTWARD
 CGY: (+) FROM C.L. TO PORT SIDE; (-) FROM C.L. TO STARBOARD SIDE

| NAME | DES | FRMIN | FRMAX | VOLM | VNET | CGX | CGY | CGZ |
|---------------------------|-------|-------------------|-------|------|-------|-------|-------|-------|
| CAPACITY OF Miscellaneous | | | | | | | | |
| 40 | R9.01 | SEWAGE TANK | 6 | 9 | 13.69 | 13.41 | 4.53 | 4.41 |
| 41 | R9.02 | F.O. OVERFLOW TK. | 24 | 27 | 20.04 | 19.64 | 16.91 | 0.12 |
| 42 | R9.03 | L.O. DRAIN TK. | 21 | 23 | 4.33 | 4.24 | 14.43 | 1.93 |
| 43 | R9.04 | TH.O. STOR. TK. | 15 | 21 | 7.61 | 7.46 | 11.95 | 1.43 |
| 44 | R9.05 | SLUDGE TK. | 18 | 23 | 9.09 | 8.91 | 13.53 | -1.74 |
| 45 | R9.06 | F.O. DRAIN TK. | 15 | 18 | 2.86 | 2.81 | 10.65 | -1.2 |

| NAME | DES | FRMIN | FRMAX | VOLM | VNET | CGX | CGY | CGZ |
|----------|-------|----------------------------|-------|-------|-------|-------|-------|-------|
| 46 | R9.07 | S/T L.O. DRAIN TK. | 11 | 13 | 2.79 | 2.74 | 7.44 | 0 |
| 47 | R9.08 | BILGE HOLDING W. TK. | 27 | 33 | 19.59 | 19.2 | 20.06 | 3.4 |
| 48 | R9.09 | BILGE HOLDING W. SETT. TK. | 4 | 6 | 13.92 | 13.64 | 3.01 | 4.74 |
| 49 | R9.10 | B.W. (#32-#33P) | 32 | 33 | 0.82 | 0.81 | 21.75 | 2.91 |
| 50 | R9.11 | B.W. (#32-#33S) | 32 | 33 | 1.05 | 1.03 | 21.75 | -3.78 |
| 51 | R9.12 | B.W. (#10-#11) | 10 | 11 | 1.01 | 0.99 | 6.36 | 0 |
| SUBTOTAL | | | | 96.81 | 94.87 | 12.51 | 2.00 | 2.48 |

| NO. | NAME | DES | FRMIN | FRMAX | VOLM | VNET | CGX | CGY | CGZ |
|-----------------------------|--------|------------------------------|-------|-------|---------|---------|-------|-------|------|
| CAPACITY OF ASPHALT | | | | | | | | | |
| 1 | R1.01P | NO. 1 CARGO TANKER (P) | 101 | 122 | 353.97 | 346.89 | 75.90 | 2.28 | 4.79 |
| 2 | R1.01S | NO. 1 CARGO TANKER (S) | 101 | 122 | 353.97 | 346.89 | 75.90 | -2.28 | 4.79 |
| 3 | R1.02P | NO. 2 CARGO TANKER (P) | 80 | 101 | 520.97 | 510.55 | 62.33 | 3.08 | 4.55 |
| 4 | R1.02S | NO. 2 CARGO TANKER (S) | 80 | 101 | 520.97 | 510.55 | 62.33 | -3.08 | 4.55 |
| 5 | R1.03P | NO. 3 CARGO TANKER (P) | 55 | 72 | 426.41 | 417.88 | 43.4 | 3.12 | 4.52 |
| 6 | R1.03S | NO. 3 CARGO TANKER (S) | 55 | 72 | 426.41 | 417.88 | 43.4 | -3.12 | 4.52 |
| 7 | R1.04P | NO. 4 CARGO TANKER (P) | 37 | 55 | 461.38 | 452.15 | 31.11 | 3.11 | 4.53 |
| 8 | R1.04S | NO. 4 CARGO TANKER (S) | 37 | 55 | 461.38 | 452.15 | 31.11 | -3.11 | 4.53 |
| SUBTOTAL | | | | | 3625.46 | 3454.95 | 52.31 | 0 | 4.69 |
| CAPACITY OF Water Ballast | | | | | | | | | |
| 9 | R2.01P | NO. 1 WATER BALLAST TANK (P) | 101 | 123 | 208.36 | 204.19 | 77.56 | 5.10 | 4.28 |
| 10 | R2.01S | NO. 1 WATER BALLAST TANK (S) | 101 | 123 | 208.36 | 204.19 | 77.56 | -5.10 | 4.28 |
| 11 | R2.02P | NO. 2 WATER BALLAST TANK (P) | 79 | 101 | 165.52 | 162.21 | 62.13 | 7.19 | 4.29 |
| 12 | R2.02S | NO. 2 WATER BALLAST TANK (S) | 79 | 101 | 165.52 | 162.21 | 62.13 | -7.19 | 4.29 |
| 13 | R2.03P | NO. 3 WATER BALLAST TANK (P) | 55 | 79 | 178.69 | 175.11 | 45.9 | 7.31 | 4.3 |
| 14 | R2.03S | NO. 3 WATER BALLAST TANK (S) | 55 | 79 | 178.69 | 175.11 | 45.9 | -7.31 | 4.3 |
| 15 | R2.04P | NO. 4 WATER BALLAST TANK (P) | 36 | 55 | 144.65 | 141.76 | 30.63 | 7.26 | 4.34 |
| 16 | R2.04S | NO. 4 WATER BALLAST TANK (S) | 36 | 55 | 144.65 | 141.76 | 30.63 | -7.26 | 4.34 |
| 17 | R2.05 | FORE PEAK TANK | 127 | 140 | 153.24 | 150.18 | 89.79 | 0 | 4.77 |
| 18 | R2.05P | NO. 5 WATER BALLAST TANK (P) | 73 | 79 | 34.91 | 34.21 | 52.2 | 3.33 | 0.62 |
| 19 | R2.05S | NO. 5 WATER BALLAST TANK (S) | 73 | 79 | 34.91 | 34.21 | 52.2 | -3.33 | 0.62 |
| 20 | R2.06P | FORE WATER BALLAST TANK (P) | 123 | 127 | 26.10 | 25.58 | 86.14 | 2.76 | 6.19 |
| 21 | R2.06S | FORE WATER BALLAST TANK (S) | 123 | 127 | 26.10 | 25.58 | 86.14 | -2.76 | 6.19 |
| SUBTOTAL | | | | | 1696.63 | 1662.69 | 60.34 | 0 | 4.27 |
| CAPACITY OF Heavy Fuel Oil | | | | | | | | | |
| 22 | R3.01 | NO. 1 HFO STORE TANK | 73 | 79 | 86.29 | 84.57 | 52.2 | -5.21 | 4.83 |
| 23 | R3.02 | L.S. HFO STORE TANK(S) | 73 | 79 | 86.29 | 84.57 | 52.2 | 5.21 | 4.83 |
| 24 | R3.03 | HFO SER. TANK | 27 | 30 | 10.44 | 10.23 | 18.95 | -5.70 | 6.76 |
| 25 | R3.04 | HFO SETT. TANK | 30 | 33 | 10.44 | 10.23 | 21.05 | -5.70 | 6.76 |
| 26 | R3.05 | L.S. HFO SETT. | 14 | 16 | 7.79 | 7.63 | 9.51 | -4.95 | 6.79 |
| 27 | R3.06 | L.S. HFO SER. | 16 | 18 | 8.25 | 8.08 | 10.91 | -5.04 | 6.79 |
| SUBTOTAL | | | | | 209.50 | 205.31 | 45.78 | -0.95 | 5.17 |
| CAPACITY OF Diesel Oil | | | | | | | | | |
| 28 | R4.01P | MDO STORE TK. | 25 | 33 | 35.91 | 35.19 | 19.54 | 5.40 | 3.51 |
| 29 | R4.01S | MDO STORE TK. | 30 | 33 | 15.63 | 15.32 | 21.08 | -5.48 | 3.41 |
| 30 | R4.02 | NO. 1 MDO SER. TANK | 22 | 24 | 6.59 | 6.45 | 15.11 | 5.64 | 6.78 |
| 31 | R4.03 | NO. 2 MDO SER. TANK | 24 | 26 | 6.84 | 6.71 | 16.5 | 5.68 | 6.77 |
| 32 | R4.04 | MGO TANK | 28 | 33 | 24.63 | 24.13 | 20.35 | 5.70 | 6.36 |
| 33 | R4.05 | MGO SER. TK. | 26 | 28 | 6.95 | 6.81 | 17.9 | 5.70 | 6.76 |
| SUBTOTAL | | | | | 96.54 | 94.61 | 19.36 | 3.77 | 4.91 |
| CAPACITY OF Lubricating Oil | | | | | | | | | |
| 34 | R5.01 | L.O. STOR. TK. | 20 | 23 | 17.87 | 17.51 | 14.07 | 5.1 | 3.95 |
| 35 | R5.02 | L.O. SETT. TK. | 18 | 20 | 10.71 | 10.5 | 12.31 | 4.92 | 3.98 |
| SUBTOTAL | | | | | 28.58 | 28.01 | 13.41 | 5.03 | 3.97 |
| CAPACITY OF Fresh Water | | | | | | | | | |
| 36 | R6.01P | FRESH W. T.P | -3 | 3 | 44.75 | 43.86 | 0.08 | 3.59 | 6.61 |
| 37 | R6.01S | FRESH W. T.S | -3 | 3 | 44.75 | 43.86 | 0.08 | -3.59 | 6.61 |
| 38 | R6.02 | DISTILLED W.T. | 3 | 10 | 53.43 | 52.36 | 4.04 | -4.81 | 6.76 |
| SUBTOTAL | | | | | 142.93 | 140.07 | 1.56 | -1.80 | 6.66 |
| CAPACITY OF Cooling Water | | | | | | | | | |
| 39 | R7.01 | COOLING WATER TANK | 4 | 10 | 9.63 | 9.43 | 4.88 | 0 | 2.01 |

FINAL DWG
DWG No. 9553945

| | | | | | |
|---|-----|--------------------------|------------|--|------------|
| FINAL DESIGN 完工图 | | 3500 DWT ASPHALT CARRIER | | SC5159-103-02 | |
| TANK CAPACITY PLAN | | 3500吨沥青船 | | HULL NO.: ESS100202 | |
| DESIGNED | 张兆祥 | CHECKED | 张兆祥 | DATE | 2014.04.19 |
| APPROVED | 张兆祥 | DATE | 2014.04.19 | SHANGHAI MERCHANT SHIP DESIGN & RESEARCH INSTITUTE | |
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