



| TANK | GAL. | BBL | CU. FT. |
|---------------|----------------|-----------------|----------------|
| 1 | 160,430 | 3,820 | 21,500 |
| 2P | 100,969 | 2,404 | 13,500 |
| 2S | 102,074 | 2,431 | 13,647 |
| 3P | 102,708 | 2,446 | 13,732 |
| 3S | 103,230 | 2,458 | 13,802 |
| 4 | 191,856 | 4,568 | 25,651 |
| TOTALS | 761,267 | 18,127 | 101,832 |
| | | 98% FULL | |
| | | 17,764 | |

| GRADE | TOTAL | 2 PPS | 3 PPS | 4 |
|--------|----------|----------|----------|----------|
| (G.T.) | (G.T.) | (G.T.) | (G.T.) | (G.T.) |
| 2.50 | 180.88 | 38.17 | 61.7 | 56.01 |
| 3.50 | 326.37 | 70.11 | 117.00 | 144.26 |
| 4.00 | 604.67 | 136.82 | 200.23 | 197.68 |
| 4.50 | 853.37 | 199.53 | 292.46 | 248.92 |
| 5.00 | 1,157.27 | 270.48 | 406.96 | 348.18 |
| 5.50 | 1,500.27 | 354.87 | 569.85 | 465.40 |
| 6.00 | 1,888.67 | 439.88 | 735.18 | 594.63 |
| 6.50 | 2,319.46 | 530.48 | 908.46 | 744.18 |
| 7.00 | 2,792.66 | 636.25 | 1,095.25 | 914.72 |
| 7.50 | 3,308.16 | 758.84 | 1,296.25 | 1,106.83 |
| 8.00 | 3,865.96 | 898.43 | 1,511.24 | 1,320.81 |
| 8.50 | 4,466.16 | 1,048.13 | 1,741.81 | 1,556.25 |
| 9.00 | 5,108.76 | 1,218.04 | 2,000.32 | 1,812.63 |
| 9.50 | 5,793.86 | 1,408.25 | 2,287.25 | 2,090.32 |
| 10.00 | 6,521.46 | 1,618.76 | 2,602.25 | 2,390.32 |
| 10.50 | 7,291.66 | 1,849.76 | 2,945.75 | 2,712.63 |
| 11.00 | 8,104.46 | 2,101.25 | 3,318.25 | 3,066.25 |
| 11.50 | 8,969.86 | 2,373.25 | 3,720.25 | 3,440.25 |

BARGE INFO

HULL No 1499
 NAME CBC 186
 OFFICAL No 1039474
 YEAR BUILT: 1996
 HULL TYPE II
 CARGO GRADE A & CERTAIN SUBCHAPTER
 "O" PRODUCTS

SPECIAL FEATURES

- COMMON VAPOR HEADER
- CARGO PUMP: BRYAN JACKSON 11" L14GH 3 STAGE S250 AMARILLO GEAR 1:1 RATIO 2000 GPM, 2860 BPH @ 245' TDH CARGO PUMP ENGINE: GENERAL MOTORS MODEL 8V-71
- P/V VALVE: 4" SE-WON HPV 3 PSI PRESS, 1 PSI VAC
- P/V VALVE: 4" SE-WON HPV 3 PSI PRESS, 1 PSI VAC

VALVE IDENTIFICATION CHART

- V1 CARGO TANK VALVES
- V2 PUMP DISCHARGE CHECK VALVE
- V3 PUMP DISCHARGE VALVE
- V4 CARGO HEADER VALVE
- V5 VAPOR HEADER VALVE
- V6 P/V VALVE
- V7 VAPOR BUTTERFLY VALVE
- V8 CARGO HDR LOADING VALVE
- V9 HIGH TANK DISCHARGE VALVE
- V10 VAPOR DRAIN CONDENSATION VALVE
- V11 CARGO PRESS. RELIEF VALVE
- V12 CARGO SUCTION VALVE
- V13 CARGO EMERGENCY SUCTION VALVE
- V14 VAPOR SWIVEL JOINT
- V15 RAIN CAP PRESS VAC GAUGE

TRINITY MARINE GROUP, INC
 A TRINITY INDUSTRIES COMPANY

CANAL BARGE COMPANY, INC
 CARGO PIPING & VAPOR
 COLLECTION SYSTEM PIPING SYSTEM
 CBC 186

HULL No. 1499
 JOB No. H051
 DWG No. P-6

TO LOAD

- OPEN 1CV1, 2PV1, 2SV1, 3PV1, 3SV1, 4CV1
- OPEN: V8
- OPEN: V4 TO DOCK
- CLOSE: V3
- CLOSE: V12
- CLOSE: 1CV9, 2PV9, 2SV9, 3PV9, 3SV9, 4CV9

TO PUMP

- OPEN 1CV1, 2PV1, 2SV1, 3PV1, 3SV1, 4CV1
- OPEN: V3
- OPEN: V12
- OPEN: V4 TO DOCK
- CLOSE: 1CV9, 2PV9, 2SV9, 3PV9, 3SV9, 4CV9
- CLOSE: V8