



VALVE IDENTIFICATION CHART:

- V1 PUMP SUCTION VALVE
- V2 PUMP DISCHARGE VALVE
- V3 PUMP DISCHARGE CHECK VALVE
- V4 PRESSURE RELIEF VALVE
- V5 CARGO FILL/LOAD VALVE
- V6 STBD HEADER VALVE
- V7 PORT HEADER VALVE
- V8 #1 PORT CARGO FILL/SUCTION VALVE
- V9 #1 STBD. CARGO FILL/SUCTION VALVE
- V10 #2 PORT CARGO FILL/SUCTION VALVE
- V11 #2 STBD. CARGO FILL/SUCTION VALVE
- V12 #3 PORT CARGO FILL/SUCTION VALVE
- V13 #3 STBD. CARGO FILL/SUCTION VALVE
- V14 #1 PORT CARGO HIGH LOADING VALVE
- V15 #1 STBD. CARGO HIGH LOADING VALVE
- V16 #2 PORT CARGO HIGH LOADING VALVE
- V17 #2 STBD. CARGO HIGH LOADING VALVE
- V18 #3 PORT CARGO HIGH LOADING VALVE
- V19 #3 STBD. CARGO HIGH LOADING VALVE
- V20 HEADER BLOCK VALVE
- V21 PUMPELL DRAIN VALVE
- PU CARGO PUMP

HOT OIL SYSTEM:

- H1 #1 PORT HOT OIL SUPPLY VALVE - LOWER
- H2 #1 PORT HOT OIL SUPPLY VALVE - UPPER
- H3 #1 STBD HOT OIL SUPPLY VALVE - LOWER
- H4 #1 STBD HOT OIL SUPPLY VALVE - UPPER
- H5 #1 PORT HOT OIL RETURN VALVE - LOWER
- H6 #1 PORT HOT OIL RETURN VALVE - UPPER
- H7 #1 STBD HOT OIL RETURN VALVE - LOWER
- H8 #1 STBD HOT OIL RETURN VALVE - UPPER
- H9 #2 PORT HOT OIL SUPPLY VALVE - LOWER
- H10 #2 PORT HOT OIL SUPPLY VALVE - UPPER
- H11 #2 STBD HOT OIL SUPPLY VALVE - LOWER
- H12 #2 STBD HOT OIL SUPPLY VALVE - UPPER
- H13 #2 PORT HOT OIL RETURN VALVE - LOWER
- H14 #2 PORT HOT OIL RETURN VALVE - UPPER
- H15 #2 STBD HOT OIL RETURN VALVE - LOWER
- H16 #2 STBD HOT OIL RETURN VALVE - UPPER
- H17 #3 PORT HOT OIL SUPPLY VALVE - LOWER
- H18 #3 PORT HOT OIL SUPPLY VALVE - UPPER
- H19 #3 STBD HOT OIL SUPPLY VALVE - LOWER
- H20 #3 STBD HOT OIL SUPPLY VALVE - UPPER
- H21 #3 PORT HOT OIL RETURN VALVE - LOWER
- H22 #3 PORT HOT OIL RETURN VALVE - UPPER
- H23 #3 STBD HOT OIL RETURN VALVE - LOWER
- H24 #3 STBD HOT OIL RETURN VALVE - UPPER
- H25 HOT OIL SUPPLY CONNECTION
- H26 HOT OIL RETURN CONNECTION
- H27 HOT OIL BY-PASS
- H28 HOT OIL STRAINER VALVE
- H29 HOT OIL STRAINER ISOLATION VALVES
- H30 HOT OIL RETURN BLOCK VALVE
- H31 HOT OIL SUPPLY/RETURN BYPASS VALVE
- H32 HOT OIL BYPASS BLOCK VALVES

TANK VOL. 100% FULL

TANK	GAL.	BBL.	CU. FT.
1P	189,783	4519	25,370
1S	189,783	4519	25,370
2P	185,175	4409	24,754
2S	185,175	4409	24,754
3P	175,836	4187	23,506
3S	175,836	4187	23,506
TOTAL	1,101,586	26,228	147,261
		98% FULL	
		25,704	

CAPACITIES--SHORT TONS AT VARIOUS DRAFTS*

DRAFT (FT)	TOTAL (S.T.)	TANK NUMBER		
		P/S	P/S	P/S
2.5	169.70	60.68	59.42	49.60
3.0	405.38	143.22	139.74	122.42
3.5	641.96	225.82	222.08	194.06
4.0	879.40	310.12	303.40	265.88
4.5	1117.78	394.92	386.24	336.62
5.0	1357.00	481.14	468.32	407.54
5.5	1597.10	567.40	552.92	476.78
6.0	1837.90	654.14	638.26	545.50
6.5	2079.62	742.02	723.86	613.74
7.0	2322.24	830.82	809.72	681.70
7.5	2565.70	919.82	897.60	748.28
8.0	2810.04	1010.16	985.22	814.66
8.5	3055.24	1101.08	1074.10	880.06
9.0	3301.16	1193.28	1162.22	945.66
9.5	3548.00	1285.58	1252.60	1009.82
10.0	3795.72	1379.10	1343.50	1073.12
10.5	4044.28	1472.42	1436.66	1135.20
11.0	4293.68	1567.56	1528.56	1197.56
11.5	4542.28	1662.26	1621.90	1258.12
MAX CAPACITY - BBL (100%)		9037	8818	8373
MAX CAPACITY - CU. FT. (100%)		147,261	50741	49509
				47012

*VALUES FOR LEVEL TRIM WITH FUEL TANK AT 98% FULL

SPECIAL FEATURES

- CARGO PUMP: BYRON JACKSON
MODEL 12LS16GHC
AMARILLO GEAR 1:1 RATIO
2800 GPM, 237' TDH
207 H.P.
CARGO PUMP ENGINE: CUMMINS
6 CTA 8.3 ENGINE

BARGE INFORMATION

HULL NO. 2180-1	2180-2	2180-6
NAME: CBC 7033/CBC 7034/CBC 339		
OFF. # 1221249	1221250	1221254

YEAR BUILT: 2009
HULL TYPE: III
CARGO GRADE: B & LOWER
SUBCHAPTER "D" PRODUCTS

REV	ITEM	DESCRIPTION	DATE	BY
1	AS-BUILT		12/07/08	MD
2	ADDED PUMPELL DRAIN VALVE		10/07/08	SDB
3	ADDED CAPACITIES, SPECIAL FEATURES & BARGE INFO.		9/29/08	SDB
4	UPDATED PER CUSTOMER CHANGES		9/08/08	KJA
5	REVISED PER PRE-CONSTRUCTION MEETING		7/15/08	CVA

The drawings and the information shown thereon are copyrighted by Trinity Marine Products (2009) and the sole property of Trinity Marine Products. Neither the drawings nor such information is to be used for any other purpose without the written permission of Trinity Marine Products, LLC. nor is any reproduction authorized without written permission.

TRINITY MARINE PRODUCTS, INC.
1800 Third Road - Mobile, AL, 36688
TANK BARGE DIVISION

CANAL BARGE COMPANY, INC.
297'-0" X 54'-0" X 12'-0" DOUBLE SKIN TANK BARGE
PIPING DIAGRAM

HULL NO. 2180-1	BARGE NAME: CBC 7033	SCALE: 1/8" = 1'-0"	DATE: 6/9/09	DWG NO. P-01
HULL NO. 2180-2	BARGE NAME: CBC 7034	DRAWN BY: SDB	CHKD BY: CVA	APPR BY:
HULL NO. 2180-6	BARGE NAME: CBC 339	YARD: MADISONVILLE	TAG NO. 38174	SHT 1 OF 1
		HULL NO. 2180-1,2,6	SHOP ORDER:	REV. 4AB