

# BARGE REGISTER INFORMATION

COMPLETED BY:  
DATE:

Ricky Bell  
4/21/2008

## VESSEL INFORMATION

**BARGE NAME:** KIRBY 31801  
**FORMER NAME:** HW CHEM 300  
**OPERATING COMPANY:** Kirby Inland Marine, LP  
**NET REGISTERED TON:** 2866  
**GROSS REGISTERED TON:** 2866  
**BUILDER NAME:** BETHLEHEM STEEL  
**DATE BUILT:** 12/21/63  
**PLACE BUILT:** BEAUMONT, TX  
**BUILDER HULL #:** 6796

**OFFICIAL NUMBER:** 293548  
**HULL TYPE:** II  
**HULL CLASS:** DS  
**VESSEL TYPE:** HIGH PRESSURE  
**TANK PRESSURE:** 265  
**BOW:** RAKE  
**STERN:** SQUARE  
**TOW CONFIGURATION:** LEAD  
**TOW MISC:**  
**ABS DESIGNATION:**

## VESSEL DESCRIPTION

**LENGTH:** 380.1  
**WIDTH:** 53.2  
**HEIGHT:** 13  
**BARREL CAPACITY:** 31420  
**DRY CAPACITY:**  
**HIGHEST FIXED POINT:** MIDSHIP VALVES - ORB  
26' 3"

**# OF TANKS:** 3  
**TANK ARRANGEMENT:** PCS  
**TANK MATERIAL:** CARBON STEEL  
**TANK LINING TYPE:** N/A  
**TANK LINING INSTALLED:**  
**LINING LAST INSPECTED:**  
**TANK LINING CONDITION:**

### LIGHT DRAFTS

**BOW DRAFT:** 4' 6"  
**MEAN DRAFT:** 3' 9"  
**STERN DRAFT:** 3'  
**HEADER TO SIDE:**  
**HEADER TO DRIPPAN TOP:**  
**HEADER TO BOW/STERN:**

**HEADER TO DRIPPAN SIDE:**  
**DISTANCE TO FIRST STATION:**  
**VAPOR HEADER TO CARGO HEADER=:**

## MISCELLANEOUS OUTFITTING

**FORWARD WINCHES:** No  
**AFT WINCHES:** Yes  
**LENGTH/WIDTH AT BASE:**

**WINCH MFG:** NABRICO  
**LOCKING PINS:**  
**HOSE BOOM:** NONE

**CUSTOMS SEALS:** NO  
**VOID COATING TYPE:**  
**SPILL RAIL:** NO  
**MACHINERY SPILL RAIL:**   
**PERIMETER SPILL RAIL:**

## CARGO SYSTEM INFORMATION

**CARGO PIPING CLASS:** II  
**CARGO PIPING MATERIAL:**  
**CARGO ISOLATION:**  
**CARGO POSITIVE PROTECTION:**  
**CARGO PRODUCT CAPACITY:**

**HEADER SIZE:**  
**HEADER VALVE SIZE:**  
**CARGO HEADER LOCATION:**  
**SALVAGE VALVE:**  
**DUMMY HEADER:** NO

## CARGO PUMP

PUMP MFG: NONE  
PUMP TYPE: \_\_\_\_\_  
PUMP MATERIAL: \_\_\_\_\_  
PUMP RATE: N/A  
PUMP LOCATION: \_\_\_\_\_  
PUMP LENGTH: \_\_\_\_\_  
STAGES: \_\_\_\_\_  
DEEPWELL DIAMETER: \_\_\_\_\_  
DEEPWELL LENGTH: \_\_\_\_\_  
SEAL SIZE: \_\_\_\_\_  
SHAFT SIZE: \_\_\_\_\_  
BUSHING MATERIAL: \_\_\_\_\_  
OBA: \_\_\_\_\_  
SPLIT SHAFT: \_\_\_\_\_  
TYPE OF COUPLING: \_\_\_\_\_  
DISCHARGE SIZE: \_\_\_\_\_  
POLUTION HEAD: \_\_\_\_\_

ENGINE MAKE: NONE  
ENGINE MODEL: NONE  
MUFFLER TYPE: \_\_\_\_\_  
SERIAL #: \_\_\_\_\_  
FUEL FILTER #: \_\_\_\_\_  
FAN BELT #: \_\_\_\_\_  
OIL FILTER #: \_\_\_\_\_  
DRIVESHAFT LENGTH: N/A  
DIAMETER: N/A  
HUB OD: N/A  
BOLT PATTERN: \_\_\_\_\_  
FUEL TANK CAP: \_\_\_\_\_  
FUEL TANK SIZE: \_\_\_\_\_  
FUEL TANK ULLAGE HATCH: \_\_\_\_\_  
FUEL TANK CLEAN OUT: \_\_\_\_\_  
TYPE OF FUEL LINES: \_\_\_\_\_  
PTO TYPE: \_\_\_\_\_  
PTO SIZE: \_\_\_\_\_

## GEAR #1

GEAR TYPE: \_\_\_\_\_  
MODEL #: \_\_\_\_\_  
HORSE POWER: \_\_\_\_\_  
ROTATION: \_\_\_\_\_  
RATIO: \_\_\_\_\_

## GEAR #2

GEAR TYPE #2: \_\_\_\_\_  
MODEL #2: \_\_\_\_\_  
HORSE POWER #: \_\_\_\_\_  
ROTATION #2: \_\_\_\_\_  
RATIO #2: \_\_\_\_\_  
STARTER MODEL: \_\_\_\_\_  
STARTER TYPE: \_\_\_\_\_  
ACCUMULATOR TYPE: \_\_\_\_\_  
HAND PUMP: \_\_\_\_\_  
ENGINE PUMP: \_\_\_\_\_

## VAPOR SYSTEM

VAPOR PIPING CLASS: NO  
VAPOR PIPING MATERIAL: \_\_\_\_\_  
VAPOR POSITIVE ISOLATION: \_\_\_\_\_  
VAPOR PRODUCT CAPACITY: \_\_\_\_\_  
VAPOR HEADER SIZE: \_\_\_\_\_  
VAPOR VALVE SIZE: \_\_\_\_\_  
HEADER LOCATION: \_\_\_\_\_  
API STANDARD: \_\_\_\_\_  
LUG ON FLANGE: \_\_\_\_\_  
DUMMY HEADER: NO  
SPILL VALVE MFG: NO  
SPILL VALVE SETTING: \_\_\_\_\_  
SPILL VALVE SIZE: \_\_\_\_\_  
PV VALVE MFG: \_\_\_\_\_  
PRESSURE SETTING: 265.0  
VACUUM SETTING: \_\_\_\_\_  
MAX LOAD RATE: \_\_\_\_\_  
PV LOCATION: \_\_\_\_\_

BARGE NAME: KIRBY 31801

VAPOR DRIP PANS: \_\_\_\_\_  
VAPOR INSPECTION FLANGES: \_\_\_\_\_  
HEADER SLOPED: \_\_\_\_\_  
STACK SIZE: \_\_\_\_\_  
STACK MATERIAL: \_\_\_\_\_  
STACK VALVE SIZE: \_\_\_\_\_  
PRESSURE GAUGE: \_\_\_\_\_  
PRESSURE GAUGE GUARD: \_\_\_\_\_  
GAUGE LOCATION: \_\_\_\_\_  
GAUGE RANGE: \_\_\_\_\_  
HIGH LEVEL ALARM MFG: NONE  
HIGH LEVEL ALARM SETTING: \_\_\_\_\_  
HIGH LEVEL SHUTDOWN SETTING: \_\_\_\_\_  
ALARM STUB OUT SIZE: \_\_\_\_\_  
DECK CAMBER ACTUAL: \_\_\_\_\_  
DECK CAMBER SETTING: \_\_\_\_\_

## GAUGING SYSTEM

RESTRICTED GAUGING: \_\_\_\_\_  
CLOSED GAUGING: CTP  
TAPE GAUGE: \_\_\_\_\_  
CLOSED GAUGE SAMPLED: \_\_\_\_\_  
SIGHT GLASS W/ GAUGE TREE: \_\_\_\_\_  
SIGHT GLASS TYPE: \_\_\_\_\_  
ONE METER STICK: NO  
HI/LO CALIBRATED STICK: \_\_\_\_\_  
STRAPPING TABLE DATE: 1/8/2001  
SURVEYOR: PMA

## CARGO TANK VALVES

TANK VALVE TYPE:	
TANK VALVE SIZE:	
REACH ROD ADAPTOR:	
REACH ROD PACKING GLAND TYPE:	
STRIPPING BLOCK VALVE SIZE:	
STRIPPING BLOCK VALVE TYPE:	
BLOCK VALVE LOCATION:	

MASTER SUCTION VALVE SIZE:	
MASTER SUCTION VALVE TYPE:	
HATCH FOR REMOVAL:	
CARGO HATCH SIZE:	
TYPE OF BUTTERWORTH:	
NUMBER PER TANK:	

## MISCELLANEOUS PIPING

STRIPPING SYSTEM:	NO
STRIPPING SYSTEM DESCRIPTION:	
STRIPPING DROPS AT TANKS:	
HEATING/COOLING SYSTEM:	NONE
HEATING/COOLING SYSTEM DESCRIPTION:	NONE
STEAM SAFETY VALVE SIZE:	
PRESSURE RELIEF VALVE:	
CHECK VALVE:	

SLOP TANK:	NO
SLOP TANK SIZE:	
SLOP TANK TYPE:	
MEASUREMENTS:	
NITROGEN SYSTEM:	
NITROGEN SYSTEM DESCRIPTION:	
SUB-O SIGN SIZE:	
DANGER BENZENE SIGN SIZE:	
CANCER HAZARD SIGN SIZE:	
MAIL BOX TYPE:	

NOTES: PIPELINE VALVES ARE SET @ 360 PSI AS PER WALLY

REVISION: 0



United States of America  
Department of Homeland Security  
United States Coast Guard

Certification Date: 21 Mar 2006  
Expiration Date: 21 Mar 2011  
IMO Number:

# Certificate of Inspection

Vessel Name KIRBY 31801	Official Number 293548	Call Sign	Service Tank Barge
Hailing Port HOUSTON TX	Hull Material Steel	Horsepower	Propulsion
Place Built BEAUMONT, TX UNITED STATES	Delivery Date 21Dec1963	Date Keel Laid	Gross Tons R-2866 Net Tons R-2866 DWT - Length R-380.1 -
Owner KIRBY INLAND MARINE LP 55 WAUGH DRIVE STE 1000 HOUSTON, TX 77007 UNITED STATES	Operator KIRBY INLAND MARINE, LP 16402 1/2 DEZAVALA CHANNELVIEW, TX 77530		

**This vessel must be manned with the following licensed and unlicensed personnel. Included in which there must be 0 certified lifeboatmen, 0 certified tankermen, 0 HSC type rating, and 0 GMDSS Operators.**

Master	Master & 1st Class pilot	Radio Officer(s)	Chief Engineer	QMED/Rating
Chief Mate	Mate & 1st Class Pilot	Able Seaman/ROANW	1st Asst. Engr/2nd Engr.	Oilers
2nd Mate/OICNW	Lic. Mate/OICNW	Ordinary Seamen	2nd Asst. Engr/3rd Engr.	
3rd Mate/OICNW	1st Class Pilot	Deckhands	3rd Asst. Engr.	
			Lic. Engr.	

In addition, this vessel may carry 0 passengers, 0 other persons in crew, 0 persons in addition to crew, and no others. Total persons allowed: 0

Route Permitted and Conditions of Operation:

**---Lakes, Bays, and Sounds---**

Also, unmanned, limited coastwise, in fair weather voyages only, not more than 12 miles off shore between S. Marks and Carabelle, Fl.

This vessel has been granted a fresh water service examination interval in accordance with 46 CFR 31.10-21(a)(2). If this vessel is operated in salt water more than 6 months in any 12 month period, the vessel must be inspected using salt water intervals per 46 CFR 31.10-21(a)(1) and the cognizant OCMI notified in writing as soon as this change in status occurs.

\*\*\*SEE NEXT PAGE FOR ADDITIONAL CERTIFICATE INFORMATION\*\*\*

With this Inspection for Certification having been completed at New Orleans, LA, the Officer in Charge, Marine Inspection, Sector New Orleans certified the vessel, in all respects, is in conformity with the applicable vessel inspection laws and the rules and regulations prescribed thereunder.

Annual/Periodic/Quarterly Reinspections				This Amended certificate issued by:  J. S. PARADIS, COMMANDER, USCG, by direction Officer in Charge, Marine Inspection Sector New Orleans Inspection Zone
Date	Zone	A/P/Q	Signature	
-	-	-	-	
-	-	-	-	
-	-	-	-	



# Certificate of Inspection

KIRBY 31801

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Certification Date:  
21Mar2006

This barge is participating in the Eighth Coast Guard District's Tank Barge Alternate Inspection Protocol (TAIP) Pilot Program. Inspection activities aboard this barge shall be conducted in accordance with its Tank Barge Action Plan (TAP). Inspection issues concerning this barge should be directed to OCMI Houston-Galveston.

Vessel authorized special seasonal loading constraints for the carriage of Propylene/Propane mixtures not to exceed 98% of the cargo tank capacity and in accordance with operational procedures approved by SECTOR New Orleans, letter serial #16700 dated May 19, 1997.

### ---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
Drydock	05May2009	05May1999	13Aug1991
Internal structure	21Mar2011	21Mar2006	02Mar2001

### ---Liquid/Gas/Solid Cargo Authority/Conditions---

Authorization/ LFG

46CFR Subchapter D Authority: Highest Grade/LFG Capacity/31420 Units/Barrels

46CFR Subchapter O Authority: Part 151/No Part 153/No Part 154/No

#### \*Loading Constraints - Structural\*

Tanks	Max Cargo Weight/Tank(Short Tons)	Max Density(LBS/Gal)
1 P/C/S		

#### \*Conditions of Carriage\*

Inspected and approved for the carriage of specified liquefied Flammable gases at a pressure not to exceed 260 PSIG relief valve setting and at temperature not less than ambient (0-115 degrees fahrenheit)

Vessel authorized special seasonal loading constraints for the carriage of Propylene/Propane mixtures not to exceed 98% of the cargo tank capacity and in accordance with operational procedures approved by MSO New Orleans letter serial #16700 dated May 19, 1997.

#### \*Firefighting\*

1, B-II required only during transfer of cargo.

### ---Inspection Status---

#### \*Cargo Tanks\*

TankID	Internal Exam			External Exam		
	Previous	Last	Next	Previous	Last	Next
1 P/C/S	25Apr1996	25Aug2001	25Aug2011	02Mar2001	21Mar2006	21Mar2011

  

TankID	Safety	Hydro Test			
	Valves	Previous	Last	Next	
1 P/C/S	28Jul2004	-	-	-	

