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

Certification Date:	20 Apr 2020
Expiration Date:	20 Apr 2025

Certificate of Inspection

For ships on international voyages this certificate fulfills the requirements of SOLAS 74 as amended, regulation V/14, for a SAFE MANNING DOCUMENT.

Vessel Name	Official Number	IMO Number	Call Sign	Service
HTCO 3013	1041544			Tank Barge

Hailing Port	Hull Material	Horsepower	Propulsion
HOUSTON, TX UNITED STATES	Steel		

Place Built	Delivery Date	Keel Laid Date	Gross Tons	Net Tons	DWT	Length
AMELIA, LA UNITED STATES	13Sep1996	13Jun1996	R-1527 I-	R-1527 I-		R-299.0 I-0

Owner	Operator
HIGMAN BARGE LINES INC 55 WAUGH DR STE 1000 HOUSTON, TX 77007 UNITED STATES	KIRBY INLAND MARINE, LP 18350 MARKET ST. CHANNELVIEW, TX 77530 UNITED STATES

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.

0 Masters	0 Licensed Mates	0 Chief Engineers	0 Oilers
0 Chief Mates	0 First Class Pilots	0 First Assistant Engineers	
0 Second Mates	0 Radio Officers	0 Second Assistant Engineers	
0 Third Mates	0 Able Seamen	0 Third Assistant Engineers	
0 Master First Class Pilot	0 Ordinary Seamen	0 Licensed Engineers	
0 Mate First Class Pilots	0 Deckhands	0 Qualified Member Engineer	

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 plus Limited Coastwise---

LIMITED COASTWISE SERVICE: IN SEAS OF LESS THAN THREE (03) FEET, WIND LESS THAN TWENTY (20) KNOTS AND CLEAR VISIBILITY, NOT MORE THAN TWELVE (12) MILES FROM SHORE BETWEEN ST. MARKS AND CARRABELLE, FLORIDA.

THIS VESSEL HAS BEEN GRANTED A FRESH WATER SERVICE EXAMINATION INTERVAL IN ACCORDANCE WITH 46 CFR TABLE 31.10-21(b); IF THIS VESSEL IS OPERATED IN SALT WATER MORE THAN SIX (6) MONTHS IN ANY TWELVE (12) MONTH PERIOD, THE VESSEL MUST BE INSPECTED USING SALT WATER INTERVALS PER 46 CFR TABLE 31.10-21(a) AND THE COGNIZANT OCMI NOTIFIED IN WRITING AS SOON AS THIS CHANGE IN STATUS OCCURS.

THIS TANK BARGE IS PARTICIPATING IN THE EIGHTH-NINTH COAST GUARD DISTRICT S TANK BARGE STREAMLINED INSPECTION

SEE NEXT PAGE FOR ADDITIONAL CERTIFICATE INFORMATION

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

Annual/Periodic/Re-Inspection

Date	Zone	A/P/R	Signature
3-20-21	HOU	A	[illegible]
4-6-22	HOUSTON	P	JAKE FRANCIS
1-25-23	CORPUS CHRIS	A	DANIEL ECHOLS
2-21-24	NOLA	A	Dwayne Alexander

This certificate issued by:

M.M. SPOLARICH, LCDR USCG, By Direction

Officer in Charge, Marine Inspection

Houma, Louisiana

Inspection Zone

PROGRAM (TBSIP). 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 THE OCMI HOUMA, LOUISIANA.

---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
DryDock	31Mar2025	20Mar2015	12Oct2006
Internal Structure	31Mar2025	16Apr2020	20Mar2015

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

Authorization: Flammable/combustible liquids and specified hazardous cargoes.

Total Capacity	Units	Highest Grade Type	Part151 Regulated	Part153 Regulated	Part154 Regulated
28366	Barrels	A	Yes	No	No

Hazardous Bulk Solids Authority

Loading Constraints - Structural

Tank Location Description	Max Cargo Weight per Tank (short tons)	Maximum Density (lbs/gal)
3P/S	647	13.500
1P/S	906	13.500
2P/S	906	13.500

Loading Constraints - Stability

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
III	4734	11ft 9in	13.5	
II	3491	9ft 3in	13.5	
II	3491	9ft 3in	13.5	
III	4734	11ft 9in	13.5	

Conditions Of Carriage

ONLY THOSE CARGOES NAMED IN THE VESSEL'S CARGO AUTHORITY ATTACHMENT, SERIAL #VN96003976 DATED 17 JUL 2001, MAY BE CARRIED AND THEN ONLY IN THE TANKS INDICATED.

Vapor Control

IN ACCORDANCE WITH 46 CFR PART 39, EXCLUDING PART 39.4000, THIS VESSEL'S VAPOR CONTROL SYSTEM HAS BEEN INSPECTED TO THE PLANS APPROVED BY MARINE SAFETY CENTER LETTERS SERIAL # VN96003976 DATED 17 JUL 2001, AND FOUND ACCEPTABLE FOR COLLECTION OF BULK LIQUID CARGO VAPORS ANNOTATED WITH "YES" IN THE CAA'S VCS COLUMN.

IN ACCORDANCE WITH 46 CFR PART 39, EXCLUDING PART 39.4000, THIS VESSEL'S VAPOR CONTROL SYSTEM HAS BEEN INSPECTED TO THE PLANS APPROVED BY MARINE SAFETY CENTER LETTERS SERIAL #C1-9905687 DATED 03NOV99 AND SERIAL #T2-0003317 DATED 21NOV00, AND FOUND ACCEPTABLE FOR COLLECTION OF BULK LIQUID CARGO VAPORS ANNOTATED WITH "YES" IN THE CAA'S VCS COLUMN.

WHEN THE VESSEL IS CARRYING CARGOES CONTAINING GREATER THAN 0.5% BENZENE, THE PERSON IN CHARGE IS RESPONSIBLE FOR ENSURING THE PROVISIONS OF 46 U.S. CODE OF FEDERAL REGUALTIONS PART 197, SUBPART C ARE APPLIED.

CARGO TANK MAXIMUM DESIGN WORKING PRESSURE: 3.00 PSIG

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IN ACCORDANCE WITH 46 CFR PART 39.1017 AND 39.5000(e) THIS VESSEL'S VCS HAS BEEN EVALUATED AND APPROVED FOR MULTI-BREASTED TANDEM LOADING WITH OTHER VESSELS SPECIFICALLY APPROVED TO TANDEM LOAD WITH VESSEL.

Stability and Trim

PER 46 CFR 151.10-15(C)(2) THE MAX TANK WEIGHTS LISTED BELOW REFLECT UNIFORM (WITHIN 5%) LOADING AT THE DEEPEST DRAFT ALLOWED. WHEN CARRYING SUBCHAPER "O" CARGOES AT SHALLOWER DRAFTS, THE BARGE(S) SHOULD ALWAYS BE LOADED UNIFORMLY, WITHIN 5%.ARGO TANKS MUST BE LOADED UNIFORMLY WHENEVER A 46 CFR SUBCHAPTER "O" CARGO IS CARRIED; FOR TRIM PURPOSES, THE WEIGHT OF CARGO IN EACH TANK MAY EXCEED THE UNIFORMLY LOADED TANK CARGO WEIGHT BY AT MOST 5 PERCENT.

--- Inspection Status ---

Cargo Tanks

	Internal Exam			External Exam		
Tank Id	Previous	Last	Next	Previous	Last	Next
3P/S	12Oct2006	20Mar2015	31Mar2025	-	-	-
1P/S	12Oct2006	20Mar2015	31Mar2025	-	-	-
2P/S	12Oct2006	20Mar2015	31Mar2025	-	-	-

		Hydro Test		
Tank Id	Safety Valves	Previous	Last	Next
3P/S	-	-	-	-
1P/S	-	-	-	-
2P/S	-	-	-	-

---Conditional Portable Fire Extinguisher Requirements---

Required Only During Transfer of Cargo or Operation of Barge Machinery

--- Fire Fighting Equipment ---

Fire Extinguishers - Hand portable and semi-portable

Quantity	Class Type
2	40-B

END

Department of Transportation
United States Coast Guard

Serial #:	VNS6003976
COI Ref:	17-Jul-01

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: HTCO 3012 **Shipyard:** MCDERMOTT I

Official #: D1041544 Hull #: 398

List of Authorized Cargoes

Cargo Identification						Conditions of Carriage	
Name	Chem Code	Compat Group No	Compat Exc	Grade	Hull Type	Note	Special Requirements in 46 CFR 151 General and Mat'ls of Construction
Authorized Subchapter O Cargoes							
Adiponitrile	ADN	37	N	E	II	V	No
Anthracene oil (Coal tar fraction)	AHO	33	N		II		No
Alkyl(C7-C9) nitriles	AKN	34	Y		III		.60-61, .63-63
Acetonitrile	ATN	37	N	C	III	T	No
Butyraldehyde (all isomers)	BAE	19	N	C	III	V	.65-1(b)
Benzene hydrocarbon mixtures (having 10% Benzene or more)	BHB	32	N		III	V	.63-63
Benzene	BNZ	32	N	C	III	V	.63-63
Benzene, Toluene, Xylene mixtures (having 10% Benzene or more)	BTX	32	N	B/C	III	V	.63-63
Carbon tetrachloride	CBT	36	N		III		No
Creosote (all isomers)	CCW	21	Y	E	III	V	No
Crude hydrocarbon feedstock (containing Butyraldehydes and Ethylpropyl acrolein)	CHG	0	N	C	III		No
Camphor oil	CPO	18	N	D	II		No
Chlorobenzene	CRB	36	N	D	III	V	No
Chloroform	CRF	36	N	E	III		No
Cresols	CRS	21	N	E	III	V	No
Cyclopentadiene, Styrene, Benzene mixture	CSB	30	N	D		V	.63-63, .65-1(b)
1,1-Dichloroethane	DCH	36	N	C	III	V	No
Dichloromethane	DCM	36	N	NF	III		No
Dichloropropene, Dichloropropane mixtures	DMX	15	N		II	V	No
1,1-Dichloropropane	DPB	36	N	C	III	T	No
1,3-Dichloropropane	DPC	36	N	C	III	T	No
1,2-Dichloropropane	DPP	36	N	C	III	T	No
Ethylene dichloride	EDC	36	Y	C	III	V	No
Ethylene glycol monoalkyl ethers	EGC	40	N	D/E	III	V	No
Ethylene glycol hexyl ether	EGH	40	N	E	III		No
Ethylene glycol propyl ether	EGP	40	N	E	III		No
2-Ethyl-3-propylacrolein	EPA	19	Y	E	III	V	No
Ethylene cyanohydrin	ETC	20	N	E	III	V	No
Furfural	FFA	19	N	E	III	V	.65-1(b)
Formaldehyde solution (37% to 50%)	FMS	19	Y	D/E	III	V	.65-1(b)
Glutaraldehyde solution (50% or less)	GTA	19	N	NF	III		No
Hydrocarbon 5-9	HFN	30	N	A	III	V	.60-70(a), .60-91(a), (b)
Isoprene	IPR	30	N	A	III		.60-70(a), .60-91(a), (b)
Methylcyclopentadiene dimer	MCK	30	N	C	III	V	No
Mesityl oxide	MSO	19	Y	D	III	V	No
Coal tar naphtha solvent	NCT	33	N	D	III	V	.60-73
1- or 2-Nitropropane	NPM	42	N	D	III	V	.63-91
Perchloroethylene	PER	35	N	NF	III		No
Sodium chlorate solution (50% or less)	SDD	0	Y	NF	III		.60-73
1,2,4-Trichlorobenzene	TCB	36	N	E	III	V	No
Trichloroethylene	TCL	36	Y		III	V	No
1,1,2,2-Tetrachloroethane	TEC	36	N	NF	III		No
Tetrahydrofuran	THF	41	N	C	III	V	.60-70(b)

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Cargo Authority Attachment

Vessel Name: **HTCO 3013** Shipyard: **MCDERMOTT I**

Official #: D1041544 Hull #: 398

Cargo Identification						Conditions of Carriage	
		Compat					
Name	Chem Code	Group No	Exc	Grade	Hull Type	Note	Special Requirements in 46 CFR 151 General and Matrix of Construction

Explanation of terms & symbols used in the Table:

Cargo Identification

Name — The proper shipping name as listed in 46 CFR Table 151.05.

Chem Code — The three letter designation assigned to the cargo in the Chemical Hazards Response Information System (CHRIS) Manual.

Compatability Group No. — The cargo reactive group number assigned for compatibility determinations in 46 CFR Part 150 Tables I and II. In accordance with 46 CFR 150.130, the Person-in-Charge of the barge is responsible for ensuring that the compatibility requirements of 46 CFR Part 150 are met. Cargoes must be checked for compatibility using the figures, tables, and appendices of 46 CFR 150 in conjunction with the assigned reactive group number.

Exceptions (Exc) — Indication of whether or not there are exceptions to the compatibility chart for the given cargo. See Appendix I to 46 CFR Part 150.

Grade — The cargo classification assigned to each flammable or combustible liquid. Grades inside of "( )" indicate a provisional assignment based upon literature sources which were not verified by manufacturers data. The Person-in-Charge shall verify the cargo grade based on Manufacturers data and ensure that the barge is authorized for carriage of that grade of cargo.

- **A, B, C** — Flammable liquid cargoes, as defined in 46 CFR 30-10.22.
- **D, E** — Combustible liquid cargoes, as defined in 46 CFR 30-10.15.
- **NA, NF** — Those subchapter O cargoes which are not classified as a flammable or combustible liquid.
- **#** — No flammability/combustibility grade has been assigned yet, as the necessary flash point/vapor pressure data for such assignments are presently not available.

Hull Type — The required barge hull classification for carriage of the specified Subchapter O hazardous material cargo, see 46 CFR 151.10-1.

- **I** — Designed to carry products which require the maximum preventive measures to preclude the uncontrolled release of the cargo. See 46 CFR 151.10-1(b)(1).
- **II** — Designed to carry products which require significant preventive measures to preclude the uncontrolled release of cargo. See 46 CFR 151.10-1(b)(3).
- **III** — Designed to carry products of sufficient hazard to require a moderate degree of control. See 46 CFR 151.10-1(b)(4).

Conditions of Carriage

Note — See Certificate of Inspection for explanation of symbols used in this column.