



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

Certification Date: 01 Dec 2011
Expiration Date: 01 Dec 2016
IMO Number:

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 MMI 3024		Official Number 1098867	Call Sign	Service Tank Barge
Home Port HOUSTON TX		Hull Material Steel	Horsepower	Propulsion
Place Built ASHLAND CITY TN, UNITED STATES		Delivery Date 12Sep2000	Date Keel Laid 03Jul2000	Gross Tons R-1618
Owner HIGMAN BARGE LINES INC 1980 POST OAK BLVD, STE 1101 HOUSTON, TX 77056 UNITED STATES		Operator HIGMAN BARGE LINES 1980 POST OAK BLVD STE 1101 HOUSTON, TX 77056 UNITED STATES		

This vessel must be manned with the following certified 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 Seamen/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---

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 OCM 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 Texas City, TX, the Officer in Charge, Marine Inspection, Houston-Galveston 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			
Date	Zone	A/P/Q	Signature
12-2-11	SEC NOLA	A	[Signature]
12-2-11	SEC NOLA	A	[Signature]
12-2-11	Hours	P	[Signature]
12-2-11	COPMS	P	[Signature]

This certificate issued by:
James B. Robertson
JAMES B. ROBERTSON, CDR, USCG, BY DIRECTION
Officer in Charge, Marine Inspection
Houston-Galveston
Inspection Zone



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Hailing Port HOUSTON TX	Hull Material Steel	Horsepower	Propulsion			
Place Built ASHLAND CITY TN, UNITED STATES	Delivery Date 12Sep2000	Date Keel Laid 03Jul2000	Gross Tons R-1619 I-	Net Tons R-1619 I-	DWT	Length R-297.5 I-
Owner HIGMAN BARGE LINES INC 1980 POST OAK BLVD, STE 1101 HOUSTON, TX 77056 UNITED STATES	Operator HIGMAN BARGE LINES 1980 POST OAK BLVD STE 1101 HOUSTON, TX 77056 UNITED STATES					

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2nd Mate/OICNW	Lic. Mate/OICNW	Ordinary Seamen	2nd Asst. Engr/3rd Engr.	
3rd Mate/OICNW	1st Class Pilot	Deckhands	3rd Asst. Engr.	
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Annual/Periodic/Quarterly Reinspections				This certificate issued by: JAMES B. ROBERTSON, CDR, USCG, BY DIRECTION Officer in Charge, Marine Inspection Houston-Galveston Inspection Zone
Date	Zone	A/P/Q	Signature	
-	-	-	-	
-	-	-	-	
-	-	-	-	



Certificate of Inspection

MMI 3024

Certification Date:
01Dec2011

---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
Drydock	01Dec2021	01Dec2011	16Jan2002
Internal Structure	01Dec2016	01Dec2011	11Jul2007

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

Authorization/ GRADE "A" AND LOWER AND SPECIFIED HAZARDOUS CARGOES
46CFR Subchapter D Authority: Highest Grade/A Capacity/31610 Units/Barrels
46CFR Subchapter O Authority: Part 151/Yes Part 153/No Part 154/No

Loading Constraints - Structural

Tanks	Max Cargo Weight/Tank(Short Tons)	Max Density(LBS/Gal)
1P/S	809	13.60
2P/S	781	13.60
3P/S	809	13.60

Loading Constraints - Stability

Hull Type	Max Load (STons)	Max Draft (Ft/In)	Max Density (Lbs/Gal)	Route
II	3582	9'6"	13.60	Lakes, Bays, and Sounds
III	4569	11'6"	13.60	Lakes, Bays, and Sounds
II	3582	9'6"	13.60	Rivers
III	4569	11'6"	13.60	Rivers

Conditions of Carriage

Only those cargoes named in the vessel's Cargo Authority Attachment (CAA), serial #VN00009727, dated 12SEP00, and Grade "A" and lower cargoes may be carried.

Vapor Control Authorization

This vessel's vapor control system has been inspected to the plans approved by the Marine Safety Center letters serial #C1-0001679 and serial #C2-0001249 and found acceptable for the collection of cargo vapors from those specific subchapter "D" cargoes contained in those letters and those specified hazardous cargoes annotated with either "V" or "T" in the CAA.

The letter "V" in the note column of the CAA signifies approval for vapor control without any additional requirements.

The letter "T" in the note column of the CAA signifies that the cargo is highly toxic and that spill valves or rupture disks are not authorized as the primary means of overfill protection required by 46 CFR 39.20-9. An overfill alarm is required by 46 CFR 39.20-7

Stability and Trim

Cargo 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.



Certificate of Inspection

MMI 3024

Certification Date:
01Dec2011

---Inspection Status---

Cargo Tanks

TankID	Internal Exam			External Exam		
	Previous	Last	Next	Previous	Last	Next
1P/S	11Jul2007	01Dec2011	01Dec2021	-	-	-
2P/S	11Jul2007	01Dec2011	01Dec2021	-	-	-
3P/S	11Jul2007	01Dec2011	01Dec2021	-	-	-

TankID	Saftey	Hydro Test		
	Valves	Previous	Last	Next
1P/S	-	-	-	-
2P/S	-	-	-	-
3P/S	-	-	-	-

---Conditional Portable Fire Extinguisher Requirements---

Required Only During Transfer of Cargo or Operation of Barge Machinery.

---Fire Fighting Equipment---

Number of Fireman Outfits/ 0

Fire Extinguishers - Hand portable and semi-portable

Qty	Class Type
2	B-II

END



Certificate of Inspection

Cargo Authority Attachment

Vessel Name: **MMI 3024**

Shipyard: **TRINITY MARINE PRO**

Official #: **D1098867**

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Hull #: **4362**

List of Authorized Cargoes

Cargo Identification						Conditions of Carriage	
Name	Chem Code	Compat		Grade	Hull Type	Note	Special Requirements in 46 CFR 151 General and Mat's of Construction
		Group No	Exc				
Authorized Subchapter O Cargoes							
Ammonium bisulfite solution (70% or less)	ABX	43	Y		III		.50-73, .56-1 (a), (b), (c)
Acrylonitrile	ACN	15	Y	C	II	T	.50-70(a), .55-1 (e)
Adiponitrile	ADN	37	N	E	II	V	No
Aminoethylethanolamine	AEE	8	N	E	III	V	.55-1 (b)
Anthracene oil (Coal tar fraction)	AHO	33	N		II		No
Alkyl(C7-C9) nitrates	AKN	34	Y		III		.50-81, .50-86
Ammonium hydroxide (28% or less NH3)	AMH	6	N		III		.56-1 (a), (b), (c), (f), (g)
Acetonitrile	ATN	37	N	C	III	T	No
Butyraldehyde (all isomers)	BAE	19	N	C	III	V	.55-1 (h)
Butyl acrylate (all isomers)	BAR	14	N	D	III	V	.50-70(a), .50-81 (a), (b)
Benzene hydrocarbon mixtures (containing Acetylenes)(having 10% Benzene or more)	BHA	32	Y		III	V	.50-80, .56-1 (b), (c), (f), (g)
Benzene hydrocarbon mixtures (having 10% Benzene or more)	BHB	32	N		III	V	.50-80
Butyl methacrylate	BMH	14	N	D	III	V	.50-70(a), .50-81 (a), (b)
Benzene	BNZ	32	N	C	III	V	.50-80
Benzene, Toluene, Xylene mixtures (having 10% Benzene or more)	BTX	32	N	B/C	III	V	.50-80
Carbon tetrachloride	CBT	36	N		III		No
Cyclohexanone	CCH	18	N	D	III	V	.56-1 (a), (b)
Creosote (all isomers)	CCW	21	Y	E	III		No
Cyclohexylamine	GHA	7	N	D	III	V	.56-1 (a), (b), (c), (g)
Crude hydrocarbon feedstock (containing Butyraldehydes and Ethylpropyl acrolein)	CHG	0	N	C	III		No
Campher oil (light)	CPO	18	N	D	II		No
Chlorobenzene	CRB	36	N	D	III		No
Chloroform	CRF	36	N	E	III	T	No
Cresols (all isomers)	CRS	21	N	E	III	V	No
Cresylic acid tar	CRX	21	N		III	V	.55-1 (f)
Cresylate spent caustic	CSC	5	N		III		.50-73, .55-1 (b)
Crctonaldehyde	CTA	19	Y	C	II	T	.55-1 (h)
Cyclohexanone, Cyclohexanol mixture	CYX	18	Y		III	V	.56-1 (b)
N,N-Dimethylacetamide	DAC	10	N	E	III	T	.56-1 (b)
2,4-Dichlorophenoxyacetic acid, dimethylamine salt solution	DAD	0	Y		III		.56-1 (a), (b), (c), (g)
Diisobutylamine	DBU	7	N	D	III	T	.55-1 (c)
Dichlorobenzenes (all isomers)	DBX	36	N	E	III	T	.56-1 (a), (b)
1,1-Dichloroethane	DCH	36	N	C	III	V	No
Dichloromethane	DCM	36	N	NF	III		No
2,4-Dichlorophenoxyacetic acid, diethanolamine salt solution	DDE	43	N		III		.56-1 (a), (b), (c), (g)
Diethanolamine	DEA	8	N	E	III	V	.55-1 (c)
2,2'-Dichloroethyl ether	DEE	41	N	D	II	V	.55-1 (f)
Diisopropylamine	DIA	7	N	C	II	T	.55-1 (c)
Diisopropanolamine	DIP	8	N	E	III	V	.55-1 (c)
Dimethylethanolamine	DMB	8	N	D	III	V	.56-1 (b), (c)
Dimethylformamide	DMF	10	N	D	III	V	.56-1 (e)
Dichloropropene, Dichloropropane mixtures	DMX	15	N		II	V	No
D-n-propylamine	DNA	7	N	C	II	T	.55-1 (c)
Dodecyl dimethylamine, Tetradecyl dimethylamine mixture	DOT	7	N	E	III		.56-1 (b)
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
1,3-Dichloropropene	DPU	15	N	D	II	T	No

*** This document is only valid when attached to, and referenced by a current, valid Certificate of Inspection. ***



Certificate of Inspection

Cargo Authority Attachment

Vessel Name: **MMI 3024**
Official #: D1098867

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Shipyard: **TRINITY MARI**
Hull #: 4362

Cargo Identification						Conditions of Carriage	
Name	Chem Code	Compat		Grade	Hull Type	Note	Special Requirements in 46 CFR 151 General and Mat'l's of Construction
		Group No	Exc				
2,4-Dichlorophenoxyacetic acid, triisopropanolaminesalt solution	DTI	43	Y		III		.55-1(a), (b), (c), (g)
Ethyl acrylate	EAC	14	N	C	III	V	.50-70(a), .50-81(a), (b)
2-Ethylhexyl acrylate	EAI	14	N	E	III	V	.50-70(a), .50-81(a), (b)
Ethylamine solution (72% or less)	EAN	7	N	A	II	T	.55-1(b)
N-Ethylbutylamine	EBA	7	N	C	III	T	.55-1(b)
N-Ethylcyclohexylamine	ECC	7	N	D	III	V	.55-1(b)
Ethylenediamine	EDA	7	Y	D	III	V	.55-1(c)
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	V	No
2-Ethyl-3-propylacrolein	EPA	19	Y	E	III	T	No
Ethylene cyanohydrin	ETC	20	N	E	III	V	No
Ethyl methacrylate	ETM	14	N	C	III	V	.50-70(a)
Furfural	FFA	19	N	E	III	V	.55-1(h)
Formaldehyde solution (37% to 50%)	FMS	19	Y	D/E	III	V	.55-1(h)
Glutaraldehyde solution (50% or less)	GTA	19	N	NF	III		No
Hydrocarbon 5-9	HFN	30	N	A	III	V	.50-70(a), .50-81(a), (b)
Hexamethylenediamine solution	HMC	7	N	E	III	V	.55-1(c)
Hexamethylenimine	HMI	7	N	C	II	V	.55-1(b), (c)
Isodecyl acrylate	IAI	14	N	E	III		.50-70(a), .50-81(a), (b), .55-1(c)
Isoprene, Pentadiene mixture	IPN	30	N	A	III		.50-70(a), .55-1(c)
iso-Propylamine	IPP	7	N	A	II		.55-1(c)
Isoprene	IPR	30	N	A	III		.50-70(a), .50-81(a), (b)
Kraft pulping liquors (free alkali content 3% or more)	KPL	5	N		III		.50-73, .55-1(a), (c), (g)
Methyl acrylate	MAM	14	N	C	III	V	.50-70(a), .50-81(a), (b)
Methylcyclopentadiene dimer	MCK	30	N	C	III	V	No
Methyl diethanolamine	MDE	8	N	E	III	V	.55-1(b), (c)
Ethanolamine	MEA	8	N	E	II	V	.55-1(c)
2-Methyl-5-ethylpyridine	MEP	9	N	E	III	V	.55-1(a)
Methyl methacrylate	MMM	14	N	C	III	V	.50-70(a), .50-81(a), (b)
iso-Propanolamine	MPA	8	N	E	III	V	.55-1(c)
Morpholine	MPL	7	Y	D	III	V	.55-1(c)
2-Methylpyridine	MPR	9	N	D	III	V	.55-1(c)
Mesityl oxide	MSO	18	Y	D	III	V	No
alpha-Methylstyrene	MSR	30	N	D	III		.50-70(a), .50-81(a), (b)
Coal tar naphtha solvent	NCT	33	N	D	III		.50-73
1- or 2-Nitropropane	NPM	42	N	D	III	V	.50-81
Propanolamine (iso-, n-)	PAX	8	N	E	III	V	.55-1(b), (c)
1,3-Pentadiene	PDE	30	N	A	III	V	.50-70(a), .50-81
Polyethylene polyamines	PEB	7	Y	E	III	V	.55-1(a)
Perchloroethylene	PER	36	N	NF	III		No
Pyridine	PRD	9	N	C	III	V	.55-1(c)
Sodium aluminate solution (45% or less)	SAU	5	N		III		.50-73, .55-1(a), (b), (c)
Sodium chlorate solution (50% or less)	SDD	0	Y	NF	III		.50-73
Sodium hypochlorite solution (20% or less)	SHQ	5	N	NF	III		.50-73, .55-1(a), (b)
Sodium sulfide, hydrosulfide solution (H2S greater than 15 ppm but less than 200 ppm)	SSI	0	Y		III		.50-73, .55-1(b)
Sodium sulfide, hydrosulfide solution (H2S greater than 200 ppm)	SSJ	0	Y		II		.50-73, .55-1(b)
Styrene (crude)	STX	30	N	C	III	V	No
Styrene monomer	STY	30	N	D	III	V	.50-70(a), .50-81(a), (b)



Certificate of Inspection

Cargo Authority Attachment

Vessel Name: **MMI 3024**
Official #: D1098867

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Shipyard: **TRINITY MARI**
Hull #: 4362

Cargo Identification						Conditions of Carriage	
Name	Chem Code	Compat		Grade	Hull Type	Note	Special Requirements in 46 CFR 151 General and Mat'l's of Construction
		Group No	Exc				
1,2,4-Trichlorobenzene	TCB	36	N	E	III	V	No
Trichloroethylene	TCL	36	Y		III	V	No
1,1,2-Trichloroethane	TCM	36	N		III	V	.50-73, .56-1(a)
1,2,3-Trichloropropane	TCN	36	N	E	II	T	.50-73, .56-1(a)
Triethanolamine	TEA	8	Y	E	III	T	.56-1(b)
1,1,2,2-Tetrachloroethane	TEC	36	N	NF	III		No
Triethylamine	TEN	7	N	C	II	V	.56-1(e)
Triethylenetetramine	TET	7	Y	E	III	V	.56-1(b)
Tetrahydrofuran	THF	41	N	C	III	V	.50-70(b)
Triphenylborane (10% or less), caustic soda solution	TPB	5	N		III		.56-1(a), (b), (c)
Urea, Ammonium nitrate solution (containing more than 2% Ammonia)	UAS	6	N		III		.56-1(b)
Vinyl acetate	VAM	13	N	C	III	V	.50-70(a), .50-81(a), (b)
Vanillin black liquor (free alkali content 3% or more)	VBL	5	N		III		.50-73, .56-1(a), (e), (g)
Vinyltoluene	VNT	13	N	D	III	V	.50-70(a), .50-81, .56-1(a), (b), (e), (g)

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.
- Compatibility 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 "f" 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.