



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
HFL 447	1230378			Tank Barge

Hailing Port	Hull Material	Horsepower	Propulsion
NASHVILLE, TN	Steel		
UNITED STATES			

Place Built	Delivery Date	Keel Laid Date	Gross Tons	Net Tons	DWT	Length
ASHLAND CITY, TN	29Dec2010	16Nov2010	R-1619	R-1619		R-297.5
UNITED STATES			I-	I-		I-0

Owner	Operator
HINES FURLONG LINE INC 4017 HILLSBORO PIKE STE 402PO BOX 150809 NASHVILLE, TN 37215 UNITED STATES	E SQUARED MARINE SERVICES, LLC 115 EAST EDGEWOOD DRIVE, SUITE B FRIENDSWOOD, TX 77546 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---

Also, fair weather only, not more than twelve (12) miles from shore between St. Marks and Carrabelle, Florida and not more than three (3) miles from a harbor of safe refuge between Chicago, Illinois and Burns Harbor, Indiana

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

SEE NEXT PAGE FOR ADDITIONAL CERTIFICATE INFORMATION

With this Inspection for Certification having been completed at Port Arthur, TX, UNITED STATES, the Officer in Charge, Marine Inspection, Marine Safety Unit Port Arthur 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				This Amended certificate issued by: Eric M. Carrero, ODR, USCG, By Direction
Date	Zone	A/P/R	Signature	
16Dec2016	MSU Chicago	A	MAPLES COREY	Officer in Charge, Marine Inspection Sector Houston-Galveston
10Oct2017	SEC CorpChr	P	BUCKMASTER JASON	
25 Dec 2018	SEC Houston/Galv	A	Thuy Lam, CWOT	
				Inspection Zone



Certificate of Inspection

Vessel Name: HFL 447

---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
DryDock	31Dec2025	31Dec2015	29Dec2010
Internal Structure	31Dec2020	31Dec2015	29Dec2010

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

Authorization: FLAMMABLE, COMBUSTIBLE AND SPECIFIED HAZARDOUS CARGOES

Total Capacity	Units	Highest Grade Type	Part151 Regulated	Part153 Regulated	Part154 Regulated
29500	Barrels	A	Yes	No	No

Hazardous Bulk Solids Authority

Not Authorized

Loading Constraints - Structural

Tank Number	Max Cargo Weight per Tank (short tons)	Maximum Density (lbs/gal)
1 P/S	836	13.6
2 P/S	852	13.6
3 P/S	762	13.6

Loading Constraints - Stability

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
III	4664	11ft 9in	13.6	R, LBS, LC 0-12, GL
II	3794	10ft 0in	13.6	R, LBS, LC 0-12, GL

Conditions Of Carriage

Only those cargoes named in the vessel's cargo authority attachment (CAA), serial #C1-1003228 dated December 17, 2010, may be carried and then only in the tanks indicated.

Per 46 CFR 150.130, the person in charge of the vessel is responsible for ensuring the compatibility requirements of 46 CFR 150 are met. Cargoes must be checked for compatibility using figures, tables, and appendices of 46 CFR 150 in conjunction with the reactive group numbers from the "Compat Group No" column listed in the vessel's CAA.

When the vessel is carrying cargoes containing 0.5% or more benzene by volume, the person in charge is responsible for ensuring the provisions of 46 CFR 197, Subpart C, are applied.

Vapor Control Authorization

Per 46 CFR 39, excluding part 39.40, this vessel's vapor control system has been inspected to the plans approved by Marine Safety Center letters Serial #C2-0901608 dated May 26, 2009 and found acceptable for collection of bulk liquid cargo vapors annotated with "yes" in the CAA's VCS column.

Per 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 this vessel.

Stability and Trim

The maximum design density of cargo which may be filled to the tank top is 8.7 lbs/gal. Cargoes with higher densities, up to 13.6 lbs/gal, may be carried as slack loads, but shall not exceed the tank weight limits as listed above.

Per 46 CFR 151.10(c)(2), the maximum tank weights listed above reflect uniform (within 5%) loading at the deepest draft



Certificate of Inspection

Vessel Name: HFL 447

allowed. When carrying Subchapter "O" cargoes at shallower drafts, the barge should always be loaded uniformly.

--- Inspection Status ---

Fuel Tanks

Tank ID	Internal Examinations		
	Previous	Last	Next
Aft Machinery Deck	-	29Dec2010	-
Aft Machinery Deck (Slop)	-	29Dec2010	-

Cargo Tanks

Tank Id	Internal Exam			External Exam		
	Previous	Last	Next	Previous	Last	Next
1 P/S	29Dec2010	31Dec2015	31Dec2025	29Dec2010	31Dec2015	31Dec2020
2 P/S	29Dec2010	31Dec2015	31Dec2025	29Dec2010	31Dec2015	31Dec2020
3 P/S	29Dec2010	31Dec2015	31Dec2025	29Dec2010	31Dec2015	31Dec2020

Hydro Test

Tank Id	Safety Valves	Hydro Test		
		Previous	Last	Next
1 P/S	-	-	29Dec2010	-
2 P/S	-	-	29Dec2010	-
3 P/S	-	-	29Dec2010	-

---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	B-II

---Certificate Amendments---

Unit Amending	Amendment Date	Amendment Remark
Sector Corpus Christi	11Oct2017	COMPLETED PERIODIC INSPECTION COMPLETED MTSA VERIFICATION
Sector Houston/Galveston	06Apr2018	Issued updated COI showing new vessel name.

END