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

Certification Date:	17 Jul 2025
Expiration Date:	17 Jul 2030

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
FMT 3160	1170150			Tank Barge

Hailing Port	Hull Material	Horsepower	Propulsion
NEW ORLEANS, LA UNITED STATES	Steel		

Place Built	Delivery Date	Keel Laid Date	Gross Tons	Net Tons	DWT	Length
JEFFERSONVILLE, IN UNITED STATES	14Jun2005	01Apr2005	R-1619 I-	R-1619 I-		R-297.5 I-0

Owner	Operator
BROOKS MARINE LEASING LLC 313 ELMEER AVE METAIRIE, LA 70005 UNITED STATES	FLORIDA MARINE LLC 2360 Fifth Street MANDEVILLE, LA 70471 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---

Also, Lake Michigan, in fair weather on voyages between Chicago, Illinois and Burns Harbor, Indiana not more than five (5) miles from shore and coastwise 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 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 South Point, OH, UNITED STATES, the Officer in Charge, Marine Inspection, SECTOR OHIO VALLEY 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

This certificate issued by:

CHRISTOPHER C. WEISER CDR, USCG, By Direction

Officer in Charge, Marine Inspection

SECTOR OHIO VALLEY

Inspection Zone

OMB No. 2115-0517

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

Certification Date:	17 Jul 2025
Expiration Date:	17 Jul 2030

Certificate of Inspection

Vessel Name: FMT 3160

This tank barge is participating in the Eighth-Ninth Coast Guard District's Tank Barge Streamlined Inspection Program (TBSIP). Inspection activities aboard this barge shall be conducted in accordance with its Tank Barge Action Plan. Inspection issues concerning this barge should be directed to Sector New Orleans OCMI.

---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
DryDock	31Jul2030	17Jul2020	23Jun2015
Internal Structure	31Jul2030	15Aug2025	15Jul2020

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

Authorization: GRADE "A" AND LOWER AND SPECIFIED HAZARDOUS CARGOES

Total Capacity	Units	Highest Grade Type	Part151 Regulated	Part153 Regulated	Part154 Regulated
29403	Barrels	A	Yes	No	No

Hazardous Bulk Solids Authority

Loading Constraints - Structural

Tank Number	Max Cargo Weight per Tank (short tons)	Maximum Density (lbs/gal)
1	742	13.60
2	868	13.60
3	786	13.60
Port Slop		
Stbd Slop		

Loading Constraints - Stability

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
II	3696	9ft 9in	13.60	R, LBS
III	4564	11ft 6in	13.60	R, LBS

Conditions Of Carriage

Only those cargoes named in the vessel's Cargo Authority Attachment, Serial #C1-1403991 dated 07Nov14, may be carried and then only in the tanks indicated. In accordance with 46 CFR Part 39, excluding part 39.40, this vessel's vapor control system has been inspected to the plans approved by Marine Safety Center letter Serial #C2-0503788 dated 08Mar05, and found acceptable for the 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 CFR 197, Subpart C are applied.

Per 46 CFR 150.130, the Person in Charge of the vessel is responsible for ensuring that 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 compatibility group numbers from the "COMPAT GRP" column listed in the vessel's CAA.

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.

The maximum density of cargo which may be filled to the tank top is 8.745 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.

--- Inspection Status ---

Cargo Tanks

	Internal Exam			External Exam		
Tank Id	Previous	Last	Next	Previous	Last	Next
1	23Jun2015	15Jul2020	31Jul2030	-	-	-
2	23Jun2015	15Jul2020	31Jul2030	-	-	-
3	23Jun2015	15Jul2020	31Jul2030	-	-	-
Port Slop	23Jun2015	15Jul2020	30Jun2030	-	-	-
Stbd Slop	23Jun2015	15Jul2020	30Jun2030	-	-	-

		Hydro Test		
Tank Id	Safety Valves	Previous	Last	Next
1	-	-	-	-
2	-	-	-	-
3	-	-	-	-
Port Slop	-	-	-	-
Stbd Slop	-	-	-	-

---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 Homeland Security
United States Coast Guard

C1-1403901
07-[illegible]-14

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: FMT 3160
Official #: 1170150

Shipyard: JEFFBOAT
Hull #: 04-2199

46 CFR 151 Tank Group Characteristics

Tank Group Information		Cargo Identification					Tanks			Cargo Transfer		Environmental Control		Fire Protection Provided	Special Requirements			
Tnk Grp	Tanks in Group	Density	Press.	Temp.	Hull Typ	Cargo Seg Tank	Type	Vent	Gauge	Pipe Class	Cont	Tanks	Handling Space		General	Materials of Construction	Elec Haz	Temp Cont
A	#1-3 P/S	13.6	Atmos.	Amb	II	1ii 2ii	Integral Gravity	PV	Closed	II	G-1	NR	NA	Portable	50-60, 50-70(a), 50-70(b), 50-73, 50-81(a), 50-81(b),	55-1(b), (c), (e), (f), (h), (i), 55-1(j), (b), (c), (d), (e), (f), (g).	NR	No

Notes: 1. Under Environmental Control, Tanks, NR means that the tank group is suitable only for those cargoes which require no environmental control in the cargo tanks.

2. Under Environmental Control, Handling Space, NR means that the tank group is suitable only for those cargoes which require no environmental control in the cargo handling space. NA means that the vessel does not have a cargo control space, and this requirement is not applied.

3. Under Electrical Hazard Class, NA means that the tank group is suitable only for those cargoes which have no electrical hazard class requirement. NR means that the vessel has no electrical equipment located in a hazardous location.

List of Authorized Cargoes

Cargo Identification					Conditions of Carriage					
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	Vapor Recovery Appr (Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of	Insp. Period
Authorized Subchapter O Cargoes										
Acetonitrile	ATN	37	O	C	III	A	Yes	3	No	G
Acrylonitrile	ACN	15 [2]	O	C	II	A	No	N/A	55-1(a), 57-1(a)	G
Adiponitrile	ADN	37	O	E	II	A	Yes	1	No	G
Alkyl(C7-C9) nitrates	AKN	34 [2]	O	NA	III	A	No	N/A	50-81, 50-86	G
Aminoethylethanolamine	AEE	8	O	E	III	A	Yes	1	55-1(b)	G
Ammonium bisulfite solution (70% or less)	ABX	43 [2]	O	NA	III	A	No	N/A	50-73, 55-1(a), (b), (c)	G
Ammonium hydroxide (28% or less NH3)	AMH	6	O	NA	III	A	No	N/A	55-1(a), (b), (c), (f), (g)	G
Anthracene oil (Coal tar fraction)	AHO	33	O	NA	II	A	No	N/A	No	G
Benzene	BNZ	32	O	C	III	A	Yes	1	50-60	G
Benzene or hydrocarbon mixtures (having 10% Benzene or more)	BHB	32 [2]	O	C	III	A	Yes	1	50-60	G
Benzene or hydrocarbon mixtures (containing Acetylene and 10% Benzene or more)	BHA	32 [2]	O	C	III	A	Yes	1	[illegible]	G
Benzene, Toluene, Xylene mixtures (10% Benzene or more)	BTX	32	O	B/C	III	A	Yes	1	[illegible]	G
Butyl acrylate (all isomers)	BAR	1[illegible]	O	D	III	A	No	N/A	[illegible]	G
Butyl methacrylate	BMH	14	O	D	[illegible]	A	No	N/A	[illegible]	G
Butyraldehyde (all isomers)	BAE	19	O	C	III	A	Yes	1	[illegible]	G
Camphor oil (light)	CPO	[illegible]	O	D	III	A	No	N/A	[illegible]	[illegible]
Carbon tetrachloride	CBT	36	O	NA	[illegible]	A	No	N/A	[illegible]	[illegible]
Caustic potash solution	CPS	5 [2]	O	NA	III	A	No	N/A	[illegible]	[illegible]
Caustic soda solution	CSS	5 [2]	O	NA	III	A	No	N/A	[illegible]	[illegible]
[illegible] (refined, containing phenols)	COD	21	O	E	[illegible]	A	No	N/A	[illegible]	[illegible]
[illegible]	CRB	33	O	E	III	A	[illegible]	1	[illegible]	[illegible]
[illegible]	CRF	2[illegible]	O	E	III	A	[illegible]	[illegible]	[illegible]	[illegible]
Coal tar naphtha solvent	NCT	33	O	E	[illegible]	A	[illegible]	1	[illegible]	[illegible]
[illegible]	CCW	21 [2]	O	E	[illegible]	A	[illegible]	[illegible]	[illegible]	[illegible]
Cresols (all isomers)	CRS	21	O	E	III	A	[illegible]	1	[illegible]	[illegible]
Cresylate spent caustic	CSC	5	O	NA	[illegible]	A	No	N/A	[illegible]	[illegible]
Cresylic acid tar	CRX	21	O	E	[illegible]	A	Yes	[illegible]	[illegible]	[illegible]
Crotonaldehyde	CTA	19 [2]	O	C	III	A	No	N/A	[illegible]	[illegible]
Crude hydrocarbon feedstock (containing Butyraldehydes and Ethylpropylacrolein)	CHG		O	C	[illegible]	A	Yes	1	[illegible]	[illegible]
Cyclohexanone	CCH	18	O	D	[illegible]	A	Yes	[illegible]	[illegible]	[illegible]
Cyclohexanone, Cyclohexanol mixture	CYX	18 [2]	O	E	III	A	Yes	[illegible]	[illegible]	G
Cyclohexylamine	CHA	7	O	D	[illegible]	A	[illegible]	[illegible]	[illegible]	[illegible]

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

Department of Homeland Security
United States Coast Guard

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: FMT 3160
Official #: 1170150

Shipyard: JEFFBOAT
Hull #: 04-2199

Cargo Identification					Conditions of Carriage					
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	App'd (Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat's of	Insp Period
Cyclopentadiene, Styrene, Benzene mixture	CSB	30	O	D	III	A	Yes	1	50-69, 56-1(b)	G
iso-Decyl acrylate	IAI	14	O	E	III	A	No	N/A	50-70(a), 50-81(a), (b), 55-1(c)	G
Dichlorobenzene (all isomers)	DBX	36	O	E	III	A	Yes	3	56-1(a), (b)	G
1,1-Dichloroethane	DCH	36	O	C	[illegible]	A	Yes	1	No	G
2,2'-Dichloroethyl ether	DEE	41	O	D	II	A	Yes	1	55-1(f)	G
Dichloromethane	DCM	36	O	NA	III	A	No	N/A	No	G
2,4-Dichlorophenoxyacetic acid, diethanolamine salt solution	DDE	43	O	E	III	A	No	N/A	56-1(a), (b), (c), (g)	G
2,4-Dichlorophenoxyacetic acid, dimethylamine salt solution	DAD	0 [1,2]	O	A	III	A	No	N/A	56-1(a), (b), (c), (g)	G
2,4-Dichlorophenoxyacetic acid, triisopropanolamine salt solution	DTI	43 [2]	O	E	III	A	No	N/A	56-1(a), (b), (c), (g)	G
1,1-Dichloropropane	DPB	36	O	C	III	A	Yes	3	No	G
1,2-Dichloropropane	DPP	36	O	C	[illegible]	A	Yes	3	No	G
1,3-Dichloropropane	DPC	36	O	C	III	A	Yes	3	[illegible]	G
1,3-Dichloropropene	DPU	15	O	D	II	A	No	N/A	No	G
Dichloropropene, Dichloropropane mixtures	DMX	15	O	C	[illegible]	A	Yes	1	No	G
Diethanolamine	DEA	8	O	E	III	A	Yes	1	55-1(c)	G
Diethylamine	DEN	7	O	C	III	A	Yes	3	55-1(c)	G
Diethylenetriamine	DET	7 [2]	O	E	III	A	Yes	1	55-1(c)	G
Diisobutylamine	DBU	7	O	D	III	A	Yes	3	55-1(c)	G
Diisopropanolamine	DIP	8	O	E	III	A	Yes	1	55-1(c)	G
Diisopropylamine	DIA	7	O	C	II	A	Yes	3	55-1(c)	G
N,N-Dimethylacetamide	DAC	10	O	E	III	A	Yes	3	56-1(b)	G
Dimethylethanolamine	DMB	8	O	D	III	A	Yes	1	56-1(b), (c)	G
Dimethylformamide	DMF	10	O	D	III	A	Yes	1	55-1(e)	G
Di-n-propylamine	DNA	7	O	C	[illegible]	A	Yes	3	55-1(c)	[illegible]
Dodecyldimethylamine, Tetradecyldimethylamine mixture	DOT	7	O	E	III	A	No	N/A	56-1(b)	G
Dodecyl diphenyl ether disulfonate solution	DOS	43	O	#	II	A	No	N/A	No	G
EE Glycol Ether Mixture	EEG	40	O	D	III	A	No	N/A	No	[illegible]
Ethanolamine	MEA	8	O	E	III	A	Yes	1	[illegible]	G
Ethyl acrylate	EAC	14	O	C	III	A	No	N/A	[illegible]	G
Ethylamine solution (72% or less)	EAN	7	O	A	[illegible]	A	Yes	5	[illegible]	[illegible]
N-Ethylbutylamine	EBA	7	O	D	[illegible]	A	[illegible]	3	[illegible]	[illegible]
N-Ethylcyclohexylamine	ECC	7	O	D	III	A	Yes	1	[illegible]	[illegible]
Ethylene cyanohydrin	ETC	20	O	E	[illegible]	A	Yes	1	No	[illegible]
Ethylenediamine	EDA	7 [2]	O	D	[illegible]	A	Yes	1	[illegible]	[illegible]
Ethylene dichloride	EDC	36 [2]	O	C	III	A	Yes	[illegible]	[illegible]	[illegible]
Ethylene glycol hexyl ether	EGH	40	O	E	[illegible]	A	No	N/A	[illegible]	[illegible]
Ethylene glycol monoalkyl ethers	EGC	40	O	[illegible]	[illegible]	A	Yes	1	[illegible]	G
Ethylene glycol propyl ether	EGP	40	O	[illegible]	[illegible]	A	[illegible]	1	[illegible]	[illegible]
2-Ethylhexyl acrylate	EAI	14	O	[illegible]	III	A	No	N/A	[illegible]	[illegible]
Ethyl methacrylate	ETM	14	O	[illegible]	III	A	[illegible]	N/A	[illegible]	[illegible]
2-Ethyl-3-propylacrolein	EPA	[illegible]	O	[illegible]	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]
Formaldehyde solution (37% to 50%)	FMS	[illegible]	O	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
Furfural	FFA	19	O	D	[illegible]	A	[illegible]	1	[illegible]	[illegible]
Glutaraldehyde solution (50% or less)	GTA	19	O	[illegible]	[illegible]	A	[illegible]	[illegible]	[illegible]	[illegible]
Hexamethylenediamine solution	HMC	7	O	[illegible]	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]
Hexamethyleneimine	HMI	7	O	C	[illegible]	[illegible]	[illegible]	1	[illegible]	[illegible]
Hydrocarbon 5 [illegible]	[illegible]	[illegible]	O	C	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	O	A	[illegible]	A	[illegible]	N/A	[illegible]	[illegible]

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: FMT 3160 | Shipyard: JEFFBOAT
Official #: 1170150 | Hull #: 04-2199

Cargo Identification						Conditions of Carriage				
							Vapor Recovery			
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	App'd (Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of	Insp Period
Isoprene, Pentadiene mixture	IPN		O	B	III	A	No	N/A	50-70(a), 55-1(c)	G
Kraft pulping liquors (free alkali content 3% or more)(including: Black, Green, or White liquor)	KPL	5	O	NA	III	A	No	N/A	50-73, 56-1(a), (c), (g)	G
Mesityl oxide	MSO	18 [2]	O	D	III	A	Yes	1	[illegible]	G
Methyl acrylate	MAM	14	O	C	III	A	No	N/A	50-70(a), 50-81(a), (b)	G
Methylcyclopentadiene dimer	MCK	30	O	C	III	A	Yes	1	No	G
Methyl diethanolamine	MDE	8	O	E	III	A	Yes	1	56-1(b), (c)	G
2-Methyl-5-ethylpyridine	MEP	9	O	E	III	A	Yes	1	55-1(e)	G
Methyl methacrylate	MMM	14	O	C	III	A	No	N/A	50-70(a), 50-81(a), (b)	G
2-Methylpyridine	MPR	9	O	D	III	A	Yes	3	55-1(c)	G
alpha-Methylstyrene	MSR	30	O	D	III	A	No	N/A	50-70(a), 50-81(a), (b)	G
Morpholine	MPL	7 [2]	O	D	III	A	Yes	1	55-1(c)	G
Nitroethane	NTE	42	O	D	II	A	No	N/A	50-81, 55-1(b)	G
1- or 2-Nitropropane	NPM	42	O	D	III	A	Yes	1	50-81	G
1,3-Pentadiene	PDE	30	O	A	III	A	No	N/A	[illegible]	G
Perchloroethylene	PER	36	O	NA	III	A	No	N/A	No	G
Polyethylene polyamines	PEB	7 [2]	O	E	III	A	Yes	1	55-1(c)	G
iso-Propanolamine	MPA	8	O	E	III	A	Yes	1	55-1(c)	G
Propanolamine (iso-, n-)	PAX	8	O	E	III	A	Yes	1	56-1(b), (c)	G
iso-Propylamine	IPP	7	O	A	II	A	No	N/A	55-1(c)	G
Pyridine	PRD	9	O	C	III	A	Yes	1	55-1(e)	G
Sodium acetate, Glycol, Water mixture (3% or more Sodium Hydroxide)	SAP	5	O		III	A	No	N/A	50-73, 55-1(j)	G
Sodium aluminate solution (45% or less)	SAU	5	O	NA	III	A	No	N/A	50-73, 56-1(a), (b), (c)	G
Sodium chlorate solution (50% or less)	SDD	0 [1,2]	O	NA	III	A	No	N/A	50-73	G
Sodium hypochlorite solution (20% or less)	SHQ	5	O	NA	III	A	No	N/A	50-73, [illegible]	G
Sodium sulfide, hydrosulfide solution (H2S 15 ppm or less)	SSH	0 [1,2]	O	NA	III	A	Yes	1	[illegible]	
Sodium sulfide, hydrosulfide solution (H2S greater than 15 ppm but less than 200 ppm)	SSI	0 [1,2]	O	NA	III	A	No	N/A	[illegible]	G
Sodium sulfide, hydrosulfide solution (H2S greater than 200 ppm)	SSJ	0 [1,2]	O	NA	[illegible]	A	[illegible]	N/A	[illegible]	G
Styrene (crude)	STX	30	O	D	III	A	No	N/A	No	G
[illegible]	STY	[illegible]	O	D	III	A	No	N/A	[illegible]	
[illegible]	[illegible]	[illegible]	O	NA	[illegible]	A	No	N/A	[illegible]	
[illegible]	TTP	[illegible]	O	F	III	A	Yes	1	[illegible]	
Tetrahydrofuran	[illegible]	41	O	C	[illegible]	A	Yes	1	[illegible]	
Toluenediamine	TDA	[illegible]	O	E	[illegible]	A	[illegible]	[illegible]	[illegible]	
[illegible]	TCB	36	O	E	III	A	Yes	1	[illegible]	
[illegible]	TCM	36	O	NA	[illegible]	A	Yes	1	[illegible]	
[illegible]	TCL	[illegible]	O	NA	III	A	Yes	[illegible]	[illegible]	
[illegible]	TCN	[illegible]	O	E	II	A	Yes	[illegible]	[illegible]	
[illegible]	TEA	[illegible]	O	E	III	A	Yes	[illegible]	[illegible]	
[illegible]	[illegible]	7	O	C	[illegible]	A	Yes	3	[illegible]	
[illegible]	[illegible]	[illegible]	O	E	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	5	O	NA	[illegible]	[illegible]	No	N/A	[illegible]	
Trisodium phosphate solution	[illegible]	[illegible]	O	NA	III	A	No	N/A	[illegible]	
Urea, Ammonium nitrate solution [illegible]	UAS	6	O	NA	III	A	No	N/A	[illegible]	
[illegible]	VBL	[illegible]	O	NA	III	A	[illegible]	N/A	[illegible]	
Vinyl acetate	VAM	13	O	C	[illegible]	A	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	13	O	E	[illegible]	A	[illegible]	N/A	[illegible]	
[illegible]	[illegible]	13	O	D	[illegible]	A	No	N/A	[illegible]	

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Department of Homeland Security
United States Coast Guard

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: FMT 3160
Official #: 1170150

Shipyard: JEFFBOAT
Hull #: 04-2199

Cargo Identification						Conditions of Carriage			
						Vapor Recovery			
Name	Chem Code	Compat Group No.	Sub Chapter	Grade	Hull Type	Tank Group	Appl'd (Y or N)	VCS Category	Special Requirements - 46 CFR 153 General and Matrix of	Insp. Period
Subchapter D Cargoes Authorized for Vapor Control										
Acetone	ACT	18 [2]	D	C		A	Yes	1		
Acetophenone	ACP	18	D	E		A	Yes	1		
Alcohol(C12-C16) poly(1-6)ethoxylates	APU	20	D	E		A	Yes	1		
Alcohol(C6-C17)(secondary) poly(7-12)ethoxylates	AEB	20	D	E		A	Yes	1		
Amyl acetate (all isomers)	AEC	34	D	D		A	Yes	1		
Amyl alcohol (iso-, n-, sec-, primary)	AAI	20	D	D		A	Yes	1		
Benzyl alcohol	BAL	21	D	E		A	Yes	1		
Brake fluid base mixtures (containing Poly(2-8)alkylene(C2-C3) glycols, Polyalkylene(C2-C10) glycol monoalkyl(C1-C4) ethers, and their borate esters)	BFX	20	D	E		A	Yes	1		
Butyl acetate (all isomers)	BAX	34	D	D		A	Yes	1		
Butyl alcohol (iso-)	BAL	20 [2]	D	D		A	Yes	1		
Butyl alcohol (n-)	BAN	20 [2]	D	D		A	Yes	1		
Butyl alcohol (sec-)	BAS	20 [2]	D	C		A	Yes	1		
Butyl alcohol (tert-)	BAT	20 [2]	D	C		A	Yes	1		
Butyl benzyl phthalate	BPH	34	D	E		A	Yes	1		
Butyl toluene	BUE	32	D	D		A	Yes	1		
Caprolactam solutions	CLS	22	D	E		A	Yes	1		
Cyclohexane	CHX	31	D	C		A	Yes	1		
Cyclohexanol	CHN	20	D	E		A	Yes	1		
p-Cymene	CMP	32	D	D		A	Yes	1		
iso-Decaldehyde	IDA	19	D	E		A	Yes	1		
n-Decaldehyde	DAL	19	D	E		A	Yes	1		
Decene	DCE	30	D	D		A	Yes	1		
Decyl alcohol (all isomers)	DAX	20 [2]	D	E		A	Yes	1		
n-Decylbenzene, see Alkyl(C9+)benzenes	DBZ	32	D	E		A	Yes	1		
Diacetone alcohol	DAA	20 [2]	D	D		A	Yes	1		
ortho-Dibutyl phthalate	DPA	34	D	E		A	Yes	1		
Diethylbenzene	DEB	32	D	D		A	Yes	1		
Diethylene glycol	DEG	40 [2]	D	E		A	Yes	1		
Diisobutylene	DBL	30	D	C		A	Yes	1		
Diisobutyl ketone	DIK	18	D	D		A	Yes	1		
Diisopropylbenzene (all isomers)	DIX	32	D	E		A	Yes	1		
Diisooctyl phthalate	DIT	34	D	E		A	Yes	1		
Diisopropyl ether	DOP	34	D	E		A	Yes	1		
Dimethyl ether	DPN	36	D	D		A	Yes	1		
Diphenyl	DIL	32	D	D/E		A	Yes	1		
Diphenyl, Diphenyl ether mixtures	DDO	33	D	E		A	Yes	1		
Diphenyl ether	DPE	41	D	(E)		A	Yes	1		
Dipropylene glycol	DPG	40	D	E		A	Yes	1		
Distillates: Fluid bed fuel cracks	DFF	33	D	E		A	Yes	1		
Distillates: Straight run	DSR	33	D	E		A	Yes	1		
Dodecene (all isomers)	DOZ	30	D	D		A	Yes	1		
Dodecylbenzene, see Alkyl(C9+)benzenes	DDB	32	D	E		A	Yes	1		
2-Ethoxyethyl acetate	EEA	34	D	D		A	Yes	1		
Ethoxy triglycol (crude)	ETG	40	D	E		A	Yes	1		
Ethyl acetate	ETA	31	D	C		A	Yes	1		

Department of Homeland Security
United States Coast Guard

Serial #: [illegible]
Dated: [illegible]

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: FMT 3160
Official #: 1170150

Shipyard: JEFFBOAT
Hull #: 04-2199

Cargo Identification					Conditions of Carriage					
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	Vapor Recovery Appr'd (Y or N)	Vapor Recovery VCS Category	Special Requirements in 46 CFR 151 General and Mat's of	Insp Period
Ethyl acetoacetate	EAA	34	D	E		A	Yes	1		
Ethyl alcohol	EAL	20 [2]	D	C		A	Yes	1		
Ethylbenzene	ETB	32	D	C		A	Yes	1		
Ethyl butanol	EBT	20	D	D		A	Yes	1		
Ethyl tert-butyl ether	EBE	41	D	C		A	Yes	1		
Ethyl butyrate	EBR	34	D	D		A	Yes	1		
Ethyl cyclohexane	ECY	31	D	D		A	Yes	1		
Ethylene glycol	EGL	20 [2]	D	E		A	Yes	1		
Ethylene glycol butyl ether acetate	EMA	34	D	E		A	Yes	1		
Ethylene glycol diacetate	EGY	34	D	E		A	Yes	1		
Ethylene glycol phenyl ether	EPE	40	D	E		A	Yes	1		
Ethyl-3-ethoxypropionate	EEP	34	D	D		A	Yes	1		
2-Ethylhexanol	EHX	20	D	E		A	Yes	1		
Ethyl propionate	EPR	34	D	C		A	Yes	1		
Ethyl toluene	ETE	32	D	D		A	Yes	1		
Formamide	FAM	10	D	E		A	Yes	1		
Furfuryl alcohol	FAL	20 [2]	D	E		A	Yes	1		
Gasoline blending stocks: Alkylates	GAK	33	D	A/C		A	Yes	1		
Gasoline blending stocks: Reformates	GRF	33	D	A/C		A	Yes	1		
Gasolines: Automotive (containing not over 4.23 grams lead per gallon)	GAT	33	D	C		A	Yes	1		
Gasolines: Aviation (containing not over 4.86 grams of lead per gallon)	GAV	33	D	C		A	Yes	1		
Gasolines: Casinghead (natural)	GCS	33	D	A/C		A	Yes	1		
Gasolines: Polymer	GPL	33	D	A/C		A	Yes	1		
Gasolines: Straight run	GSR	33	D	A/C		A	Yes	1		
Glycerine	GCR	20 [2]	D	E		A	Yes	1		
Heptane (all isomers), see Alkanes (C7-C9) (all isomers)	[illegible]	31	D	C		A	Yes	1		
Heptanoic acid	HEP	4	D	E		A	Yes	1		
Heptanol (all isomers)	HTX	20	D	D/E		A	Yes	1		
Heptyl acetate	HPE	34	D	E		A	Yes	1		
Hexane (all isomers), see Alkanes (C6-C9)	HXS	31	D	B/C		A	Yes	1		
Hexanoic acid	[illegible]	4	D	E		A	Yes	1		
Hexanol	HXN	20	D	D		A	Yes	1		
Hexylene glycol	HXG	20	D	E		A	Yes	1		
Isophorone	IPH	18 [2]	D	[illegible]		A	Yes	1		
Jet fuel: JP-4	[illegible]	[illegible]	D	[illegible]		A	Yes	1		
Jet fuel: JP-5 (kerosene, heavy)	[illegible]	[illegible]	D	[illegible]		A	Yes	[illegible]		
Kerosene	KRS	[illegible]	D	[illegible]		A	Yes	[illegible]		
Methyl acetate	MTT	34	D	D		A	Yes	1		
Methyl alcohol	MAL	20 [2]	D	C		A	Yes	1		
Methylamyl acetate	MAC	34	D	D		A	Yes	1		
Methylamyl alcohol	MAA	[illegible]	D	D		A	Yes	1		
Methyl amyl ketone	[illegible]	18	D	D		A	Yes	1		
Methyl tert-butyl ether	MBE	41 [2]	D	C		A	Yes	[illegible]		
Methyl butyl ketone	MBK	18	D	C		A	Yes	[illegible]		
Methyl butyrate	[illegible]	[illegible]	D	C		A	Yes	[illegible]		
Methyl ethyl ketone	MEK	18 [2]	D	C		A	Yes	1		
[illegible]	[illegible]	18	D	D		A	Yes	1		

*** *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: FMT 3160
Official #: 1170150

Shipyard: JEFFBOAT
Hull #: 04-2199

Cargo Identification						Conditions of Carriage			
							Vapor Recovery		
Name	Chem Code	Comdat Group No	Sub Chapter	Grade	Hull Type	Tank Group	Appld (Y or N)	VCS Category	Special Requirements :: 46 CFR 151 General and Matls of	Insp Period
Methyl isobutyl ketone	MIK	18 [2]	D	C		A	Yes	1		
Methyl naphthalene (molten)	MNA	32	D	E		A	Yes	1		
Mineral spirits	MNS	33	D	D		A	Yes	1		
Myrcene	MRE	33	D	D		A	Yes	1		
Naphtha: Heavy	NAG	33	D	#		A	Yes	1		
Naphtha: Petroleum	PTN	33	D	#		A	Yes	1		
Naphtha: Solvent	NSV	33	D	D		A	Yes	1		
Naphtha: Stoddard solvent	NSS	33	D	D		A	Yes	1		
Naphtha: Varnish makers and painters (75%)	NVM	33	D	C		A	Yes	1		
Nonane (all isomers), see Alkanes (C6-C9)	NAX	31	D	D		A	Yes	1		
Nonyl alcohol (all isomers)	NNS	20 [2]	D	E		A	Yes	1		
Nonyl phenol	NNP	21	D	E		A	Yes	1		
Nonyl phenol poly(4+)ethoxylates	NPE	40	D	E		A	Yes	1		
Octane (all isomers), see Alkanes (C6-C9)	OAX	31	D	C		A	Yes	1		
Octanoic acid (all isomers)	OAY	4	D	E		A	Yes	1		
Octanol (all isomers)	OCX	20 [2]	D	E		A	Yes	1		
Oil, fuel: No. 2	OTW	33	D	D/E		A	Yes	1		
Oil, fuel: No. 2-D	OTD	33	D	D		A	Yes	1		
Oil, fuel: No. 4	OFR	33	D	D/E		A	Yes	1		
Oil, fuel: No. 5	OFV	33	D	D/E		A	Yes	1		
Oil, fuel: No. 6	OSX	33	D	E		A	Yes	1		
Oil, misc: Crude	OIL	33	D	A/D		A	Yes	1		
Oil, misc: Diesel	ODS	33	D	D/E		A	Yes	1		
Oil, misc: Gas, high pour	OGP	33	D	E		A	Yes	1		
Oil, misc: Lubricating	OLB	33	D	E		A	Yes	1		
Oil, misc: Residual	ORL	33	D	E		A	Yes	1		
Oil, misc: Turbine	OTB	33	D	E		A	Yes	1		
n-Pentyl propionate	PPT	38	D	D		A	Yes	1		
alpha-Pinene	PIO	30	D	D		A	Yes	1		
beta-Pinene	PIP	30	D	D		A	Yes	1		
Poly(2-5)alkylene glycol monoalkyl(C1-C6) ether	PAG	40	D	E		A	Yes	1		
Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether acetate	PAE	21	D	E		A	Yes	1		
Polybutene	PLB	30	D	E		A	Yes	1		
Polypropylene glycol	PGC	40	D	E		A	Yes	1		
iso-Propyl acetate	PAI	34	D	C		A	Yes	1		
n-Propyl acetate	PAC	34	D	C		A	Yes	1		
iso Propyl alcohol	IPA	20	D	C		A	Yes	1		
n-Propyl alcohol	PAL	20	D	C		A	Yes	1		
Propylene trimers (all isomers)	PTY	[illegible]	D	D		A	Yes	1		
Iso-propylcyclohexane	IPC	31	D	D		A	Yes	1		
Propylene glycol	PRG	40	D	E		A	Yes	1		
Propylene glycol methyl ether (PM)	PGM	34	D	D		A	Yes	1		
Propylene tetramer	PT	33	D	D		A	Yes	1		
Sulfolane	SFL	34	D	C		A	Yes	1		
Tetraethylene glycol	TTG	40	D	E		A	Yes	1		
Tetrahydronaphthalene	THN	32	D	E		A	Yes	1		
Toluene	TOL	31	D	C		A	Yes	1		
Tributoxyethyl phosphate (less than 1% of tributyl phosphate)	TBP	21	D	E		A	Yes	1		

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: FMT 3160
Official #: 1170150

Shipyard: JEFFBOAT
Hull #: 04-2199

Cargo Identification					Conditions of Carriage				
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	Vapor Recovery Appl'd (Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of	Insp. Period
Triethylbenzene	TEB	32	D	E		A	Yes	1		
Triethylene glycol	TEG	40	D	E		A	Yes	1		
Triethyl phosphate	TPS	34	D	E		A	Yes	1		
Trimethylbenzene (all isomers)	TRE	32	D	(D)		A	Yes	1		
Trixylenyl phosphate	TRP	34	D	E		A	Yes	1		
Undecene	UDC	30	D	D/E		A	Yes	1		
1-Undecyl alcohol	UND	20	D	E		A	Yes	1		
Xylenes (ortho-, meta-, para-)	XLX	32	D	D		A	Yes	1		

Certificate of Inspection

Cargo Authority Attachment

Explanation of terms & symbols used in the Table:

Cargo Identification

Name	The proper shipping name as listed in 46 CFR Table 30.25-1, 46 CFR Table 151.05, and 46 CFR Part 153 Table 2.
Chem Code	The three letter designation assigned to the cargo in the Chemical Hazards Response Information System (CHRIS) Manual
none	Certain mixtures of cargoes may not have a CHRIS Code assigned
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.
Note 1	Because of the very high reactivity or unusual conditions of carriage or potential compatability problems, this product is not assigned to a specific group in the Compatibility Chart. For additional compatibility information, contact Commandant (CG-3PSO-3), U.S. Coast Guard, 2100 Second Street, SW, Washington, DC 20593-0001. Telephone (202) 372-1425.
Note 2	See Appendix I to 46 CFR Part 150 - exceptions to the compatability chart
Subchapter	The subchapter in Title 46 Code of Federal Regulations under which the cargo has been classified.
Subchapter D	Those flammable and combustible liquids listed in 46 CFR Table 30.25-1
Subchapter O	Those hazardous cargoes listed in 46 CFR Table 151.05 and 46 CFR Part 153 Table 2.
Note 3	These cargoes listed in 46 CFR Part 153 Table 2 are non-regulated cargoes when carried in bulk on non-oceangoing barges
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.
Note 4	The flammability/combustibility grade of these cargoes may vary depending upon the flashpoint and Reid vapor pressure. 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
NA	These 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 sufficeint hazard to require a moderate degree of control. See 46 CFR 151.10-1(b)(4)
NA	Not applicable to barges certificated under Subchapter D

Conditions of Carriage

Tank Group	The vessel's tank group (as defined in Section 4) which is authorized for carriage of the named cargo.
Vapor Recovery Approved (Y or N)	Yes: The vessel's VCS has been reviewed and approved by the MSC to control vapors of the specified cargo. No: The vessel's VCS has been reviewed and is not approved by the MSC to control vapors of the specified cargo

Conditions of Carriage

Tank Group	The vessel's tank group (as defined under the "46 CFR Tank Group Characteristics" [illegible] on page 1) which is authorized for carriage of the named cargo.
Vapor Recovery Approved (Y or N)	Yes: The vessel's VCS has been reviewed and approved by the MSC to control vapors of the specified cargo. No: The vessel's VCS has been reviewed and is not approved by the MSC to control vapors of the specified cargo.
VCS Category	The specified cargo's provisional classification for vapor control systems:
Category 1	(No additional VCS requirements above those for benzene, gasoline and crude oil) All requirements applying to the handling of [illegible] hazardous materials in Titles 33 and 46 Code of Federal Regulations (CFR) apply to these cargoes. [illegible] vapor control systems are 33 CFR 155.750, 33 CFR 156.120, 33 CFR 156.170, 46 CFR 35.35 and 46 CFR 39. The cargo [illegible] (46 CFR 39.10-11) and the [illegible] (46 CFR 39.30-1(b)) must use appropriate [illegible] factors, [illegible]
Category 2	(Polymerizes) Polymerization [illegible] could [illegible] vapor flow which could lead to cargo tank overpressurization [illegible]. The vessel [illegible] must develop [illegible] all VCS safety components are functional and polymer build-up is not causing an unsafe condition due to increased pressure in the vapor [illegible] piping and cargo tanks. This method shall be acceptable to the local Officer in Charge, Marine Inspection. This is in addition to the requirements of Category 1. [illegible] a monomer can be a [illegible] detonation
Category 3	(Highly toxic) VCSs for these toxic [illegible] requirement of 46 CFR 39.20-9. This requirement is in addition to the requirements of Category 1.
Category 4	(Polymerizes and Highly toxic) Must comply with requirements of Categories 1, 2, and 3
Category 5	(High vapor pressure) VCS pressure drop [illegible] increase [illegible] mixture densities and vapor growth rates as compared to Category 1 [illegible] Marine Safety Center [illegible] VCS Guidelines for further information. This requirement is in addition to the requirements of Category 1
Category 6	(High vapor pressure and Highly toxic) Must comply with requirements of Categories 1, 3 and 5
Category 7	(High vapor pressure and polymerizes) Must comply with requirements of Categories 1, 2 and 5
none	The cargo has not been evaluated/classified for use [illegible] Vapor Control System.