



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

Certification Date:	17 Oct 2019
Expiration Date:	17 Oct 2024

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 6006	1254215			Tank Barge

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

Place Built	Delivery Date	Keel Laid Date	Gross Tons	Net Tons	DWT	Length
GULFPORT, MS	12Sep2014	10Jul2014	R-1619	R-1619		R-297.5
UNITED STATES			I-	I-		I-0

Owner	Operator
FMT INDUSTRIES LLC 2360 FIFTH STREET MANDEVILLE, LA 70471 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 Engineer	
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---

IN FAIR WEATHER ONLY 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 MUST BE NOTIFIED IN WRITING AS SOON AS THIS CHANGE IN STATUS OCCURS.

IN ACCORDANCE WITH 46 CFR 155.710(b) A TRANSFER OF FUEL OIL, A TRANSFER OF LIQUID CARGO IN BULK, OR CARGO-TANK CLEANING SHALL BE DONE UNDER THE SUPERVISION OF A PERSON HOLDING A TANKERMAN-PIC ENDORSEMENT ISSUED UNDER 46

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

With this Inspection for Certification having been completed at New Orleans, LA, UNITED STATES, 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/Re-Inspection				This certificate issued by: M.N. COCHRAN COMMANDER, by direction Officer in Charge, Marine Inspection Sector New Orleans Inspection Zone
Date	Zone	A/P/R	Signature	



Certificate of Inspection

Vessel Name: FMT 6006

CFR PART 13.

---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
DryDock	30Sep2024	12Sep2014	
Internal Structure	30Sep2024	25Sep2019	12Sep2014

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

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

Total Capacity	Units	Highest Grade Type	Part151 Regulated	Part153 Regulated	Part154 Regulated
30508	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)
1P	792	13.6
1S	792	13.6
2P	887	13.6
2S	887	13.6
3P	800	13.6
3S	800	13.6

Loading Constraints - Stability

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
II	3880	9ft 10in	13.6	R, LBS
III	4722	11ft 6in	13.6	R, LBS

Conditions Of Carriage

ONLY THOSE HAZARDOUS CARGOES NAMED IN THE VESSEL'S CARGO AUTHORITY ATTACHMENT, SERIAL# C1-1401318, DATED 07-May-14, 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 THAT THE COMPATABILITY REQUIREMENTS OF 46 CFR 150 ARE MET. CARGOES MUST BE CHECKED FOR COMPATABILITY USING THE 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 CARGO AUTHORITY ATTACHMENT.

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 C1-1401318 DATED MAY 7, 2014, AND HAS BEEN FOUND ACCEPTABLE FOR THE COLLECTION OF BULK LIQUID VAPORS ANNOTATED WITH "YES" IN THE VCS COLUMN OF THE VESSEL'S CARGO AUTHORITY ATTACHMENT. THE VCS IS FITTED WITH 2 HIGH VELOCITY P/V VALVES. THE PRIMARY VALVE IS SET AT 5.5 PSIG PRESSURE AND 2.0 PSIG VACUUM. THE SECONDARY VALVE IS SET AT 3.5 PSIG PRESSURE AND 0.5 PSIG VACUUM AND IS SEPARATED FROM THE MAIN VAPOR HEADER BY MEANS OF AN ISOLATION VALVE. THE ISOLATION VALVE IS REQUIRED TO BE OPENED WHEN CARRYING SUBCHAPTER "O" CARGOES. THE CARGO TANK TOP IS SUITABLE FOR A MAXIMUM ALLOWABLE WORKING PRESSURE (MAWP) OF 6.0 PSI

IN ACCORDANCE WITH 46 CFR PART 39.1017 AND 39.5000(E) THIS VESSEL'S VCS HAS BEEN EVALUATED AND



Certificate of Inspection

Vessel Name: FMT 6006

APPROVED FOR MULTI-BREASTED TANDEM LOADING WITH OTHER VESSELS SPECIFICALLY APPROVED TO TANDEM LOAD WITH THIS VESSEL.

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

--- Inspection Status ---

Cargo Tanks

Tank Id	Internal Exam			External Exam		
	Previous	Last	Next	Previous	Last	Next
1P	-	12Sep2014	12Sep2024	-	-	-
1S	-	12Sep2014	12Sep2024	-	-	-
2P	-	12Sep2014	12Sep2024	-	-	-
2S	-	12Sep2014	12Sep2024	-	-	-
3P	-	12Sep2014	12Sep2024	-	-	-
3S	-	12Sep2014	12Sep2024	-	-	-

Hydro Test

Tank Id	Safety Valves	Previous	Last	Next
1P	12Sep2014	-	12Sep2014	-
1S	12Sep2014	-	12Sep2014	-
2P	12Sep2014	-	12Sep2014	-
2S	12Sep2014	-	12Sep2014	-
3P	12Sep2014	-	12Sep2014	-
3S	12Sep2014	-	12Sep2014	-

---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

END



Certificate of Inspection

Cargo Authority Attachment

Vessel Name: FMT 6006

Official #: 1254216

Shipyards: Gulf Coast Shipyard Group
Hull #: TO-96

46 CFR 151 Tank Group Characteristics

Tank Group Information		Cargo Identification			Tank		Cargo Transfer		Environmental Control		Special Requirements							
TFA Grp	Tanks in Group	Density	Press.	Temp.	Haz. Typ.	Cargo Sp. Tank	Type	Vent.	Grage	Pipe Class	Cont.	Tank?	Heat Sp.?	Prg. Protection Provided	General	Material's of Construction	Elect. Haz.	Temp. Cont.
A	#1P,S, #2P,S, #3P,S	15.8	Atmos.	Amb.	II	II	Integral	PV	Closed	II	G-1	NR	NA	Protecta	55-57, 50-57, 50-70, 51-70, 52-70, 53-70, 54-70, 55-70	55-100, (c), (e), (f), (g), (h), (i), (j), (k), (l), (m), (n), (o), (p)	NR	No

Note: 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 handling 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 hazardous requirements. NR means that the vessel has no electrical equipment located in a hazardous location.

List of Authorized Cargoes

Name	Cargo Identification				Conditions of Carriage										Insd. Period			
	Chem. Code	Compat. Group No.	Sub. Character	Grade	Haz. Type	Tank Group	Vent. (Y or N)	Accid. (Y or N)	VOC Category	Special Req.	Remarks to 46 CFR 151 General and Apply of							
Authorized Subchapter O Cargoes																		
Acetonitrile	ATN	37	O	C	III	A	Yes	3	NI									0
Acrylonitrile	ACN	15 2	O	C	II	A	No	N/A	55-70, 51-70, 52-70, 53-70, 54-70, 55-70									0
Acrylonitrile	ADN	37	O	E	II	A	Yes	1	NI									0
Alky (C7-C9) nitrates	AKN	34 2	O	C	NA	III	A	No	N/A	50-70, 50-80								0
Amidodiphenylmethanamine	AEE	8	O	E	III	A	Yes	1	48-100									0
Ammonium bisulfite solution (70% or less)	ABX	43 2	O	NA	III	A	No	N/A	50-70, 50-80, 51-70, 52-70, 53-70, 54-70, 55-70									0
Ammonium hydroxide (28% or less NH3)	AMR	6	O	NA	III	A	No	N/A	50-70, 50-80, 51-70, 52-70, 53-70, 54-70, 55-70									0
Anthracene oil (Coal tar fraction)	AHO	33	O	NA	III	A	No	N/A	50-70, 50-80, 51-70, 52-70, 53-70, 54-70, 55-70									0
Benzene	BNZ	32	O	C	III	A	Yes	1	50-60									0
Benzene or hydrocarbon mixtures (having 10% Benzene or more)	BHB	32 2	O	C	III	A	Yes	1	50-60									0
Benzene or hydrocarbon mixtures (containing Acetylene and 10% Benzene or more)	BHA	32 2	O	C	III	A	Yes	1	50-60, 50-70, 51-70, 52-70, 53-70, 54-70, 55-70									0
Benzene, Toluene, Xylene mixtures (10% Benzene or more)	BTX	32	O	B/C	III	A	Yes	1	50-60									0
Butyl acrylate (all isomers)	BAR	14	O	D	III	A	No	N/A	55-70, 51-70, 52-70, 53-70, 54-70, 55-70									0
Butyl methacrylate	BMH	14	O	D	III	A	No	N/A	50-70, 51-70, 52-70, 53-70, 54-70, 55-70									0
Butyraldehyde (all isomers)	BAE	19	O	C	III	A	Yes	1	55-70									0
Camphor oil (light)	CPO	19	O	D	III	A	No	N/A	50-70, 51-70, 52-70, 53-70, 54-70, 55-70									0
Carbon tetrachloride	CST	35	O	NA	III	A	No	N/A	50-70, 51-70, 52-70, 53-70, 54-70, 55-70									0
Caustic potash solution	CPS	6 2	O	NA	III	A	No	N/A	50-70, 51-70, 52-70, 53-70, 54-70, 55-70									0
Caustic soda solution	CSS	6 2	O	NA	III	A	No	N/A	50-70, 51-70, 52-70, 53-70, 54-70, 55-70									0
Chemical Oil (refined, containing phenolics)	COD	21	O	E	III	A	No	N/A	50-70, 51-70, 52-70, 53-70, 54-70, 55-70									0
Chlorobenzene	CRB	36	O	B	III	A	Yes	1	50-70									0
Chloroform	CRF	36	O	NA	III	A	Yes	3	NI									0
Coal tar naphtha solvent	NCT	33	O	D	III	A	Yes	1	50-70									0
Cresosol	CDW	21 2	O	E	III	A	Yes	1	40									0
Cresols (all isomers)	CRS	21	O	E	III	A	Yes	1	40									0
Cresylic spent caustic	CSC	6	O	NA	III	A	No	N/A	50-70, 51-70, 52-70, 53-70, 54-70, 55-70									0
Cresylic acid tar	CRX		O	E	III	A	Yes	1	50-70									0
Crotonaldehyde	CTA	19 2	O	C	III	A	No	N/A	50-70, 51-70, 52-70, 53-70, 54-70, 55-70									0
Crude hydrocarbon feedstock (containing Butyraldehyde and Ethylpropyl acrolein)	CHG		O	C	III	A	Yes	1	NI									0
Cyclohexanone	CCH	19	O	D	III	A	Yes	1	50-70, 51-70, 52-70, 53-70, 54-70, 55-70									0
Cyclohexanone, Cyclohexanol mixture	CYX	19 2	O	E	III	A	Yes	1	50-70									0

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Certificate of Inspection

Cargo Authority Attachment

Vessel Name: FMT 6006

Shipyards: Gulf Coast Shipyards
Group
Hull #: 10-96

Official #: 1254213

Page 2 of 8

Name	Cargo Identification				Conditions of Carriage				Resp. Party	
	Chem. Code	Commat. Group No.	Sub. Character	Grade	Haz. Type	Tank Group	Vapor Recovery	VCS Category		Special Requirements in 46 CFR 151 General and Malls of 50-101, (b), (c), (d)
Cyclohexylamine	CHA	7	C	D	III	A	Yes	1	50-60, 16-1(b)	G
Cyclopentadiene, Styrene, Benzene mixture	CSS	30	O	D	III	A	No	N/A	50-70(a), 50-81(a), (b), 55-1(c)	G
iso-Deetyl acrylate	IAI	14	O	E	III	A	No	N/A	55-1(a), (b)	G
Dichlorobenzene (all isomers)	DBX	36	O	E	III	A	Yes	3	55-1(a), (b)	G
1,1-Dichloroethane	DCH	35	O	C	II	A	Yes	1	55-1(b)	G
2,2-Dichloroethyl ether	DEE	41	O	D	II	A	Yes	1	55-1(b)	G
Dichloromethane	DCM	36	O	NA	II	A	No	N/A	No	G
2,4-Dichlorophenoxyacetic acid, diethanolamine salt solution	DDE	43	O	E	III	A	No	N/A	50-101, (b), (c), (d)	G
2,4-Dichlorophenoxyacetic acid, dimethylamine salt solution	DD	43	O	A	III	A	No	N/A	55-1(a), (b), (c), (d)	G
2,4-Dichlorophenoxyacetic acid, dimethylamine salt solution	DTI	43	O	E	III	A	No	N/A	55-1(a), (b), (c), (d)	G
2,4-Dichlorophenoxyacetic acid, triisopropanolamine salt solution	DPB	36	O	C	III	A	Yes	3	No	G
1,1-Dichloropropane	DPP	35	O	C	III	A	Yes	3	No	G
1,2-Dichloropropane	DPC	36	O	C	III	A	Yes	3	No	G
1,3-Dichloropropane	DPU	15	O	D	II	A	No	N/A	No	G
1,3-Dichloropropene	DMX	15	O	C	II	A	Yes	1	No	G
Dichloropropene, Dichloropropane mixtures	DEA	8	O	E	III	A	Yes	1	55-1(c)	G
Dioctanolamine	DEN	7	O	C	III	A	Yes	3	55-1(c)	G
Diethylamine	DET	7	O	E	III	A	Yes	1	55-1(c)	G
Diethylethanolamine	DEU	7	O	D	III	A	Yes	3	55-1(c)	G
Diisobutylamine	DIP	5	O	E	III	A	Yes	1	55-1(c)	G
Diisopropanolamine	DIA	7	O	C	II	A	Yes	3	55-1(c)	G
Diisopropylamine	DAC	10	O	E	III	A	Yes	3	55-1(c)	G
N,N-Dimethylacetamide	DMA	8	O	D	III	A	Yes	1	50-1(b), (c)	G
Dimethylformamide	DMA	10	O	D	III	A	Yes	1	55-1(c)	G
Dimethylmethanamide	DMF	10	O	D	III	A	Yes	1	55-1(c)	G
Di-n-propylamine	DNA	7	O	C	III	A	Yes	3	55-1(c)	G
Di-n-propylamine, Tetradecyldimethylamine mixture	DOT	7	O	E	III	A	No	N/A	55-1(b)	G
Dodecyl diphenyl ether disulfonate solution	DOS	43	O	D	III	A	No	N/A	No	G
EE Glycol Ether Mixture	EEG	40	O	D	III	A	No	N/A	No	G
Ethanolamine	NEA	8	O	E	III	A	Yes	1	55-1(c)	G
Ethyl acrylate	EAC	14	O	C	III	A	No	N/A	50-70(a), 50-81(a), (b)	G
Ethylamine solution (72% or less)	EAN	7	O	A	II	A	Yes	5	55-1(b)	G
N-Ethylbutylamine	EBA	7	O	D	III	A	Yes	3	55-1(b)	G
N-Ethylcyclohexylamine	ECC	7	O	D	III	A	Yes	1	55-1(b)	G
Ethylene cyanohydrin	ETC	20	O	E	III	A	Yes	1	No	G
Ethylene diamine	EDA	7	O	D	III	A	Yes	1	55-1(c)	G
Ethylene dichloride	EDC	36	O	C	III	A	Yes	1	No	G
Ethylene glycol hexyl ether	EGH	40	O	E	III	A	No	N/A	No	G
Ethylene glycol monopropyl ether	EGC	40	O	D/E	III	A	Yes	1	No	G
Ethylene glycol propyl ether	EGP	40	O	E	III	A	Yes	1	No	G
2-Ethylhexyl acrylate	EAI	14	O	E	III	A	No	N/A	50-70(a), 50-81(a), (b)	G
Ethyl methacrylate	EMA	14	O	E	III	A	No	N/A	50-70(a), 50-81(a), (b)	G
2-Ethyl-3-propylacrylate	EPA	14	O	E	III	A	Yes	1	No	G
Formaldehyde solution (37% to 50%)	FMS	19	O	D/E	III	A	Yes	1	55-1(b)	G
Furfural	FFA	19	O	D	III	A	Yes	1	55-1(b)	G
Glutaraldehyde solution (50% or 65%)	GTA	19	O	NA	III	A	No	N/A	No	G
Hexamethylenediamine solution	HMC	7	O	E	III	A	Yes	1	55-1(c)	G
Hexamethylenimine	HMI	7	O	C	III	A	Yes	1	55-1(c), (d)	G
Hydrocarbon 5-9	HFN	7	O	C	III	A	Yes	1	50-70(a), 50-81(a), (b)	G

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Certificate of Inspection

Cargo Authority Attachment

Vessel Name: FMT 6006

Shipyard: Gulf Coast Shipyard
Group
Hull #: TC-96

Official #: 1254215

Page 3 of 8

Cargo Identification				Conditions of Carriage											
Name	Chem. Code IPR	Q-Code Group No.	Sub-Character	Grade	Hull Type	Tank Group	2012 IBC Code	2012 IBC No.	2012 IBC Yes/No	Special Requirements	15 CFR 15.101-101.101	15 CFR 15.101-101.101	15 CFR 15.101-101.101	15 CFR 15.101-101.101	15 CFR 15.101-101.101
Isoprene															
Isoprene, Pentadiene mixture	IPN		O	B	III	A	No	No	No	N/A	55-101, 55-102				
Kraft pulping liquors (free alkali content 3% or more) (including: Black, Green, or White liquor)	KPL	5	O	NA	III	A	No	No	No	N/A	55-101, 55-102				
Methyl oxide	MSO	18.2	O	D	III	A	Yes	1	No	N/A	55-101, 55-102				
Methyl acrylate	MAM	14	O	C	III	A	No	No	No	N/A	55-101, 55-102				
Methylocyclopentadiene dimer	MCK	30	O	C	III	A	Yes	1	No	N/A	55-101, 55-102				
Methyl diethanolamine	MDE	8	O	E	III	A	Yes	1	No	N/A	55-101, 55-102				
2-Methyl-5-ethylpyridine	MEP	9	O	E	III	A	Yes	1	No	N/A	55-101, 55-102				
Methyl methacrylate	MMM	14	O	C	III	A	No	No	No	N/A	55-101, 55-102				
2-Methylpyridine	MPR	9	O	D	III	A	Yes	3	No	N/A	55-101, 55-102				
alpha-Methyl styrene	MSR	30	O	D	III	A	No	No	No	N/A	55-101, 55-102				
Morpholine	MPL	7.2	O	D	III	A	Yes	1	No	N/A	55-101, 55-102				
Nitroethane	NTE	42	O	D	II	A	No	No	No	N/A	55-101, 55-102				
1,1 or 2-Nitropropane	NPM	42	O	D	III	A	Yes	1	No	N/A	55-101, 55-102				
1,3-Pentadiene	PDE	30	O	A	III	A	No	No	No	N/A	55-101, 55-102				
Perchloroethylene	PER	36	O	NA	III	A	No	No	No	N/A	55-101, 55-102				
Polyethylene polyamines	PEB	7.2	O	E	III	A	Yes	1	No	N/A	55-101, 55-102				
1,0-Propand aniline	MPA	8	O	E	III	A	Yes	1	No	N/A	55-101, 55-102				
Propandamine (iso, n-)	PAX	8	O	E	III	A	Yes	1	No	N/A	55-101, 55-102				
iso-Propylamine	IPP	7	O	A	II	A	No	No	No	N/A	55-101, 55-102				
Pyridine	PRD	9	O	C	III	A	Yes	1	No	N/A	55-101, 55-102				
Sodium acetate, Glycol, Water mixture (3% or more Sodium Hydroxide)	SAP		O		III	A	No	No	No	N/A	55-101, 55-102				
Sodium aluminate solution (45% or less)	SAU	6	O	NA	III	A	No	No	No	N/A	55-101, 55-102				
Sodium chlorate solution (50% or less)	SDD	0.12	O	NA	III	A	No	No	No	N/A	55-101, 55-102				
Sodium hypochlorite solution (20% or less)	SHO	5	O	NA	III	A	No	No	No	N/A	55-101, 55-102				
Sodium sulfide, hydrosulfide solution (H2S 15 ppm or less)	SSH	0.12	O	NA	III	A	Yes	1	No	N/A	55-101, 55-102				
Sodium sulfide, hydrosulfide solution (H2S greater than 15 ppm but less than 200 ppm)	SSI	0.12	O	NA	III	A	No	No	No	N/A	55-101, 55-102				
Sodium sulfide, hydrosulfide solution (H2S greater than 200 ppm)	SSJ	0.12	O	NA	II	A	No	No	No	N/A	55-101, 55-102				
Styrene (crude)	STX		O	D	II	A	No	No	No	N/A	55-101, 55-102				
Styrene monomer	STY	30	O	D	III	A	No	No	No	N/A	55-101, 55-102				
1,1,2,2-Tetrachloroethane	TEC	36	O	NA	III	A	No	No	No	N/A	55-101, 55-102				
Tetraethylenepentamine	TEP	7	O	E	III	A	Yes	1	No	N/A	55-101, 55-102				
Tetrahydrofuran	THF	41	O	C	III	A	Yes	1	No	N/A	55-101, 55-102				
Toluidine	TDA	9	O	E	II	A	No	No	No	N/A	55-101, 55-102				
1,2,4-Trichlorobenzene	TCB	36	O	E	III	A	Yes	1	No	N/A	55-101, 55-102				
1,1,2-Trichloroethane	TCM	36	O	NA	III	A	Yes	1	No	N/A	55-101, 55-102				
Trichloroethylene	TCL	36.1	O	NA	II	A	Yes	1	No	N/A	55-101, 55-102				
1,2,3-Trichloropropane	TCN	36	O	E	II	A	Yes	3	No	N/A	55-101, 55-102				
Triethanolamine	TEA	8.2	O	E	III	A	Yes	1	No	N/A	55-101, 55-102				
Triethylamine	TEN	7	O	C	II	A	Yes	3	No	N/A	55-101, 55-102				
Tetraethylenepentamine	TET	7.2	O	E	III	A	Yes	1	No	N/A	55-101, 55-102				
Triphenylborane (10% or less), caustic soda solution	TPB	5	O	NA	III	A	No	No	No	N/A	55-101, 55-102				
Trisodium phosphate solution	TSP	5	O	NA	III	A	No	No	No	N/A	55-101, 55-102				
Urea, Ammonium nitrate solution (containing more than 2% NH3)	UAS	8	O	NA	III	A	No	No	No	N/A	55-101, 55-102				
Vanillin black liquor (free alkali content 3% or more)	VBL	8	O	NA	III	A	No	No	No	N/A	55-101, 55-102				
Vinyl acetate	VAM	13	O	C	II	A	No	No	No	N/A	55-101, 55-102				

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Certificate of Inspection

Cargo Authority Attachment

Vessel Name: FMT 6006

Shipyards: Gulf Coast Shipyard
Group

Official #: 1254215

Page 4 of 8

Hull #: TO-96

Cargo Identification						Conditions of Carriage				
Name	Chem Code	Compat Group No	Sub Category	Grade	Hull Type	Tank Group	Vapor Recovery	VCS Category	Special Requirements in 46 CFR	Insp. Period
Vinyl neodecanate	VND	13	O	E	III	A	No	N/A	151 General and Mats of 50-10(a), 50-91(a), (b)	6
Vinyltoluene	VNT	13	O	D	III	A	No	N/A	62-70(a), 50-91, 55-116, 131, 132, 133	6

Subchapter D Cargoes Authorized for Vapor Control

Acetone	ACT	15 ²	D	D		A	Yes	1
Acetophenone	ACP	15	D	E		A	Yes	1
Alcohol(C12-C16) poly(1-6)ethoxylates	APU	23	D	E		A	Yes	1
Alcohol(C6-C7) secondary poly(7-12)ethoxylates	AEB	23	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)	SFX	20	D	E		A	Yes	1
Butyl acetate (all isomers)	BAX	34	D	D		A	Yes	1
Butyl alcohol (iso-)	IAL	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		D	C		A	Yes	1
Butyl benzyl phthalate	BPH	34	D	E		A	Yes	1
Butyl toluene	BLT	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	30	D	E		A	Yes	1
p-Cymene	CNP	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
Dodecyl 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	16	D	D		A	Yes	1
Diisopropylbenzene (all isomers)	DIX	32	D	E		A	Yes	1
Dimethyl phthalate	DTL	34	D	E		A	Yes	1
Dioctyl phthalate	DOP	34	D	E		A	Yes	1
Dipentene	DPN	30	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: Flashed (acid stocks)	DFP	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	DOB	32	D	E		A	Yes	1
2-Ethoxyethyl acetate	EEA	34	D	D		A	Yes	1

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Certificate of Inspection

Cargo Authority Attachment

Vessel Name: FMT 6006

Shipyard: Gulf Coast Shipyard
Group
Hull #: TO-96

Official #: 1254215

Page 5 of 8

Cargo Identification										Conditions of Carriage		
Name	C-97 Code	Compat. Group No.	Sub-Chapter	Grade	Hu. Type	Tank Group	Acc. Y or NI	MS	Special Requirements 151 General and Marine of	MS	MS	MS
Ethoxy triglycol (oxide)	ETG	40	D	C		A	Yes	1				
Ethyl acetate	ETA	34	D	C		A	Yes	1				
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	ECV	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	ESP	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				
Glycine	GCR	20 ¹	D	E		A	Yes	1				
Heptane (all isomers), see Alkanes (C6-C9) (all isomers)	HMX	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 ²	D	B/C		A	Yes	1				
Hexanoic acid	HXO	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	E		A	Yes	1				
Jet fuel: JP-4	JPF	33	D	E		A	Yes	1				
Jet fuel: JP-5 (kerosene, heavy)	JPV	33	D	D		A	Yes	1				
Kerosene	KRS	33	D	D		A	Yes	1				
Methyl acetate	MTT	34	D	C		A	Yes	1				
Methyl alcohol	MAL	20 ²	D	C		A	Yes	1				
Methylamyl acetate	MAA	34	D	D		A	Yes	1				
Methylamyl alcohol	MAA	20	D	D		A	Yes	1				
Methylamyl ketone	MAK	18	D	D		A	Yes	1				
Methyl tert-butyl ether	MTBE	4 ²	D	C		A	Yes	1				
Methyl butyl ketone	MBK	18	D	C		A	Yes	1				
Methyl butyrate	MBU	34	D	C		A	Yes	1				

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Certificate of Inspection

Cargo Authority Attachment

Vessel Name: FMT 6006

Shipyard: Gulf Coast Shipyard
Group

Official #: 1254215

Page 6 of 8

Hull #: TO-99

Cargo Identification						Conditions of Carriage					
Name	Chem Code	Compt Group No	Sub Character	Grade	Hull Type	Tank Group	Vapor Recovery	VCS Category	Special Requirements - 46 CFR 151 General and Mella of	46 CFR	Insp. Points
Methyl ethyl ketone	MEK	18 2	D	C		A	Yes	1			
Methyl n-propyl ketone	MHK	18	D	D		A	Yes	1			
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	30	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: Standard 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)ethoxyates	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. 8	OSX	33	D	E		A	Yes	1			
Oil, misc: Crude	DIL	33	D	C/D		A	Yes	1			
Oil, misc: Diesel	ODS	33	D	D/E		A	Yes	1			
Oil, misc: Gas, high bour	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	PPE	34	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-alky ene glycol monoalkyl(C1-C3) ether	PAG	40	D	E		A	Yes	1			
Poly(2-alky ene glycol monoalkyl(C1-C3) ether acetate	PAF	34	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	IAC	34	D	C		A	Yes	1			
n-Propyl acetate	PAT	34	D	C		A	Yes	1			
iso-Propyl alcohol	IPA	20 2	D	C		A	Yes	1			
n-Propyl alcohol	PAL	20 2	D	C		A	Yes	1			
Propylbenzene (all isomers)	PSY	52	D	D		A	Yes	1			
iso-Propylcyclohexane	IPX	31	D	D		A	Yes	1			
Propylene glycol	PPG	30 2	D	E		A	Yes	1			
Propylene glycol methyl ether acetate	PGN	34	D	D		A	Yes	1			
Propylene toluene	PTT	30	D	D		A	Yes	1			
Sulfolene	SFL	39	D	E		A	Yes	1			
Tetraethylene glycol	TTG	40	D	E		A	Yes	1			
Tetrahydronaphthalene	THN	32	D	E		A	Yes	1			

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Certificate of Inspection

Cargo Authority Attachment

Vessel Name: FMT 6006

Official #: 1264216

Page 7 of 8

Sho yard: Gulf Coast Shipyard
Group
Hull #: TO-36

Cargo Identification				Conditions of Carriage							
Name	Chemical Code	Group No.	Sub Character	Grade	H. Type	Tank Group	Vapor Recovery	Acidic (Y or N)	WCS	Special Requirements in US CFR 16.05-11.01 General and Marine	IMO
Toluene	TOL	32	D	C		A	Yes				
Tricresyl phosphate (less than 1% of the ortho isomer)	TCP	34	D	E		A	Yes				
Triethylbenzene	TEB	32	D	E		A	Yes				
Triethylene glycol	TEG	40	D	E		A	Yes				
Triethyl phosphate	TEP	34	D	E		A	Yes				
Trimethylbenzene (all isomers)	TMB	32	D	E		A	Yes				
Triphenyl phosphite	TRP	34	D	E		A	Yes				
Undecane	UNC	30	D	E		A	Yes				
1-undecyl alcohol	UNC	20	D	E		A	Yes				
Xylenes (ortho-, meta-, para-)	XLX	32	D	E		A	Yes				

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Certificate of Inspection

Cargo Authority Attachment

Vessel Name: FMT 6006
Official #: 1254215

Page 8 of 8

Shipyard: Gulf Coast Shi
Hull #: TO-96

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 151.25, and 46 CFR Part 153 Table 2.
Chem Code none	The three letter designation assigned to the cargo in the Chemical Hazard Response Information System (CHRIS) Manual. Certain mixtures of cargoes may not have a CHRIS Code assigned.
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 150.133, 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 compatibility problems, this product is not assigned to a specific group in the Compatibility Chart. For additional compatibility information, contact Commandant (CG-3P50-3), 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 compatibility chart.
Subchapter Subchapter C Subchapter Q None	The subchapter in Title 46 Code of Federal Regulations under which the cargo has been classified. Those flammable and combustible liquids listed in 46 CFR Table 30.25-1 and those hazardous cargoes listed in 46 CFR Table 151.25 and 46 CFR Part 153 Table 2. Those cargoes listed in 46 CFR Part 153 Table 2 are not regulated cargoes when carried in bulk on nonseagoing barges.
Grade	The cargo classification assigned to each flammable or combustible liquid. Grades inside of "1" 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 D, E None	Flammable liquid cargoes, as defined in 46 CFR 30.10-22. Combustible liquid cargoes, as defined in 46 CFR 30.10-15.
NA #	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. Those Subchapter Q 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 I II III NA	The required barge hull classification for carriage of the specified Subchapter Q hazardous material cargo, see 46 CFR 151.10-1. 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). Designed to carry products which require significant preventive measures to preclude the uncontrolled release of cargo. See 46 CFR 151.10-1(b)(3). Designed to carry products of sufficient hazard to require a moderate degree of control. See 46 CFR 151.10-1(b)(4). Not applicable to cargoes certified under Subchapter Q.

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 MGC to control vapors of the specified cargo. No: The vessel's VCS has been reviewed and is not approved by the MGC 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" listed 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 MGC to control vapors of the specified cargo. No: The vessel's VCS has been reviewed and is not approved by the MGC to control vapors of the specified cargo.

VCS Category

Category 1	The specified cargo's provisional classification for vapor control systems. (No additional VCS requirements above those for benzene, acetone, and crude oil) All requirements applying to the handling of oil and hazardous materials in Titles 33 and 46 Code of Federal Regulations (CFR) apply to these cargoes. Those specifically dealing with vapor control systems are in 33 CFR 155.750-33 CFR 155.120, 33 CFR 155.170, 46 CFR 35.35 and 46 CFR 39. The cargo tank venting system calculations (46 CFR 35.20-11) and the pressure drop calculations (46 CFR 39.30-1(b)) must use appropriate friction factors, vapor densities and vapor growth rates.
Category 2	(Polymers) Polymerization and residue buildup of these cargoes can adversely affect the vessel by fouling safety components and restricting vapor flow which could lead to cargo tank over-pressurization. The vessel's owner must develop a method of ensuring all VCS safety components are functional and polymer build-up is not causing an unsafe condition due to increased pressure in the vapor control piping and cargo tanks. The method shall be acceptable to the local Officer in Charge, Marine Inspection. This is in addition to the requirements of Category 1. Please note that a monomer not normally considered a monomer can be a problem in detonation arresters.
Category 3	(Highly toxic) VCS for these toxic cargoes cannot use a self-sealing or rupture disk as the primary means to meet the overfill protection requirement of 46 CFR 35.20-9. This requirement is in addition to the requirements of Category 1.
Category 4	(Polymers and highly toxic) Must comply with requirements of Categories 1, 2 and 3.
Category 5	(High vapor pressure) VCS pressure drop calculations for cargoes with a vapor pressure greater than 14.7 psia at 115 F must take into account increased vapor-air mixture densities and vapor growth rates as compared to Category 1 cargoes. Consult the Marine Safety Center's 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 polymers) Must comply with requirements of Categories 1, 2 and 5.
none	The cargo has not been evaluated/verified for use in vapor control systems.

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