



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

Certification Date: 02 Jul 2019

Expiration Date: 02 Jul 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 6000	1251824			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	19Jun2014	11Apr2014	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 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, 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 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 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:		
Date	Zone	A/P/R	Signature	M.N. COCHRAN COMMANDER, by direction		
				Officer in Charge, Marine Inspection		
				Sector New Orleans		
				Inspection Zone		



Certificate of Inspection

Vessel Name: FMT 6000

---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
DryDock	19Jun2024	19Jun2014	
Internal Structure	30Jun2024	02Jul2019	19Jun2014

--- 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
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	3380	9ft 10in	13.6	L, B, S
III	4722	11ft 6in	13.6	L, B, S

Conditions Of Carriage

Only those specified hazardous cargoes named in the vessel's Cargo Authority Attachment (CAA), Serial C1-1401318, DATED 07MAY14, and Grade "A" and lower cargoes 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 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.

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.

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 8.74 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.



Certificate of Inspection

Vessel Name: FMT 6000

Vapor Control Authorization

In accordance with 46 CFR 39, excluding 46 CFR 39.40, this vessel's vapor control system has been inspected to the plans approved by Marine Safety Center letter Serial C1-1401318 DATED 07MAY14, and the list of authorized cargoes on the CAA, Serial C1-1401318, DATED 07MAY14, 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 39.1017 and 39.5001(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.

--- Inspection Status ---

Cargo Tanks

Tank Id	Internal Exam			External Exam		
	Previous	Last	Next	Previous	Last	Next
1P	-	19Jun2014	19Jun2024	-	-	-
1S	-	19Jun2014	19Jun2024	-	-	-
2P	-	19Jun2014	19Jun2024	-	-	-
2S	-	19Jun2014	19Jun2024	-	-	-
3P	-	19Jun2014	19Jun2024	-	-	-
3S	-	19Jun2014	19Jun2024	-	-	-

Hydro Test

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

---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



Department of Homeland Security
United States Coast Guard

Serial #: C1-1401318

Dated: 07-May-14

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: FMT 6000

Shipyard: Gulf Coast Shipyard
Group

Official #: 1251824

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Hull #: TO-93

Cargo Identification							Conditions of Carriage				
Name	Chem Code IPR	Compat Group No 30	Sub Chapter O	Grade A	Hull Type III	Tank Group A	Vapor Recovery		Special Requirements in 46 CFR 151 General and Mat'ls of 50-70(a), 50-81(a), (b)	Insp. Period G	
							App'd (Y or N)	VCS Category N/A			
Isoprene											
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	No	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, 56-1(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	50-70(a), 50-81	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(e)	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		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, 56-1(a), (b)	G	
Sodium sulfide, hydrosulfide solution (H2S 15 ppm or less)	SSH	0 1,2	O	NA	III	A	Yes	1	50-73, 55-1(b)	G	
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	50-73, 55-1(b)	G	
Sodium sulfide, hydrosulfide solution (H2S greater than 200 ppm)	SSJ	0 1,2	O	NA	II	A	No	N/A	50-73, 55-1(b)	G	
Styrene (crude)	STX		O	D	III	A	No	N/A	No	G	
Styrene monomer	STY	30	O	D	III	A	No	N/A	50-70(a), 50-81(a), (b)	G	
1,1,2,2-Tetrachloroethane	TEC	36	O	NA	III	A	No	N/A	No	G	
Tetraethylenepentamine	TTP	7	O	E	III	A	Yes	1	55-1(c)	G	
Tetrahydrofuran	THF	41	O	C	III	A	Yes	1	50-70(b)	G	
Toluenediamine	TDA	9	O	E	II	A	No	N/A	50-73, 56-1(a), (b), (c), (g)	G	
1,2,4-Trichlorobenzene	TCB	36	O	E	III	A	Yes	1	No	G	
1,1,2-Trichloroethane	TCM	36	O	NA	III	A	Yes	1	50-73, 56-1(a)	G	
Trichloroethylene	TCL	36 2	O	NA	III	A	Yes	1	No	G	
1,2,3-Trichloropropane	TCN	36	O	E	II	A	Yes	3	50-73, 56-1(a)	G	
Triethanolamine	TEA	8 2	O	E	III	A	Yes	1	55-1(b)	G	
Triethylamine	TEN	7	O	C	II	A	Yes	3	55-1(e)	G	
Triethylenetetramine	TET	7 2	O	E	III	A	Yes	1	55-1(b)	G	
Triphenylborane (10% or less), caustic soda solution	TPB	5	O	NA	III	A	No	N/A	56-1(a), (b), (c)	G	
Trisodium phosphate solution	TSP	5	O	NA	III	A	No	N/A	50-73, 56-1(a), (c)	G	
Urea, Ammonium nitrate solution (containing more than 2% NH3)	UAS	6	O	NA	III	A	No	N/A	56-1(b)	G	
Vanillin black liquor (free alkali content, 3% or more)	VBL	5	O	NA	III	A	No	N/A	50-73, 56-1(a), (c), (g)	G	
Vinyl acetate	VAM	13	O	C	III	A	No	N/A	50-70(a), 50-81(a), (b)	G	
Vinyl neodecanate	VND	13	O	E	III	A	No	N/A	50-70(a), 50-81(a), (b)	G	

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Department of Homeland Security
United States Coast Guard

Serial #: C1-1401318

Dated: 07-May-14

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: FMT 6000

Shipyards: Gulf Coast Shipyard
Group

Official #: 1251824

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Hull #: TO-93

Cargo Identification						Conditions of Carriage				
Name	Chem Code VNT	Compat Group No 13	Sub Chapter O	Grade D	Hull Type III	Tank Group A	Vapor Recovery		Special Requirements in 46 CFR 151 General and Mat's of 50-70(a), 50-81, 50-1(a), (b), (c), (Insp. Period G
							App'd (Y or N)	VCS Category N/A		
Vinyltoluene										

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-)	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	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		
Dimethyl phthalate	DTL	34	D	E		A	Yes	1		
Diethyl 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 feed 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	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		

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Dated: 07-May-14

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Cargo Authority Attachment

Vessel Name: FMT 6000

Shipyard: Gulf Coast Shipyard
Group

Official #: 1251824

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Hull #: TO-93

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

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Cargo Authority Attachment

Vessel Name: FMT 6000

Shipyard: Gulf Coast Shipyard
Group

Official #: 1251824

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Hull #: TO-93

Cargo Identification							Conditions of Carriage				
Name	Chem Code MHK	Compat Group No 18	Sub Chapter D	Grade	Hull Type	Tank Group A	Vapor Recovery		Special Requirements in 46 CFR 151 General and Mat's of	Insp. Period	
							App'd (Y or N) Yes	VCS Category 1			
Methyl heptyl ketone											
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: 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	C/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	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(2-8)alkylene glycol monoalkyl(C1-C6) ether	PAG	40	D	E		A	Yes	1			
Poly(2-8)alkylene glycol monoalkyl(C1-C6) 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)	PBY	32	D	D		A	Yes	1			
iso-Propylcyclohexane	IPX	31	D	D		A	Yes	1			
Propylene glycol	PPG	20 ²	D	E		A	Yes	1			
Propylene glycol methyl ether acetate	PGN	34	D	D		A	Yes	1			
Propylene tetramer	PTT	30	D	D		A	Yes	1			
Sulfolane	SFL	39	D	E		A	Yes	1			
Tetraethylene glycol	TTG	40	D	E		A	Yes	1			
Tetrahydronaphthalene	THN	32	D	E		A	Yes	1			
Toluene	TOL	32	D	C		A	Yes	1			



Department of Homeland Security
United States Coast Guard

Serial #: C1-1401318

Dated: 07-May-14

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: FMT 6000

Shipyard: Gulf Coast Shipyard
Group

Official #: 1251824

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Hull #: TO-93

Cargo Identification						Conditions of Carriage				
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	Vapor Recovery		Special Requirements in 46 CFR 151 General and Mals of	Insp. Period
							App'd (Y or N)	VCS Category		
Tricresyl phosphate (less than 1% of the ortho isomer)	TCP	34	D	E		A	Yes	1		
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		



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Shipyard: Gulf Coast Shi

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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 none	The three letter designation assigned to the cargo in the Chemical Hazards 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 150.130, 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 compatibility 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 compatibility chart.
Subchapter Subchapter D Subchapter O Note 3	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. Those hazardous cargoes listed in 46 CFR Table 151.05 and 46 CFR Part 153 Table 2. Those 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 D, E Note 4	Flammable liquid cargoes, as defined in 46 CFR 30-10.22. Combustible liquid cargoes, as defined in 46 CFR 30-10.15. 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 #	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 I II III NA	The required barge hull classification for carriage of the specified Subchapter O 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 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" 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 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, gasolines 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 156.120, 33 CFR 156.170, 46 CFR 35.35 and 46 CFR 39. The cargo tank venting system calculations (46 CFR 39.20-11) and the pressure drop calculations (46 CFR 39.30-1(b)) must use appropriate friction factors, vapor densities and vapor growth rates.
Category 2	(Polymerizes) Polymerization and residue build-up of these cargoes can adversely affect the vessel by fouling safety components and restricting vapor flow which could lead to cargo tank overpressurization. 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 material not normally considered a monomer can be a problem in detonation.
Category 3	(Highly toxic) VCSs for these toxic cargoes cannot use a spill valve or rupture disk as the primary means to meet the overfill protection 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 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 polymerizes) Must comply with requirements of Categories 1, 2 and 5.
none	The cargo has not been evaluated/classified for use in vapor control systems.