

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

Certification Date: 30 Nov 2023 Expiration Date: 30 Nov 2028

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.

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Vessel Name			Official Number	IMC) Number	Call Sign	Service	
FMT 3050			1105902				Tank B	arge
								5
Hailing Port								
	ANC LA		Hull Material		Horsepower	Propulsion		
NEW ORLE	ANS, LA		Steel					
UNITED STA	ATES							
0111125 017	1120							
Place Built								
MADISONVI	ΙΙΈΙΔ		Delivery Date	Keel Laid Dat		Net Tons	DWT	Length
MADIOCITY			23Feb2001		R-1619	R-1619		R-297.5
UNITED STA	ATES				[-	l-		I-0
Owner					Operator			
JAR ASSETS	SLLC				FLORIDA MAR	INE LLC		
2360 5TH ST					2360 FIFTH ST			
MANDEVILLI					MANDEVILLE,			
UNITED STA	IIES			,	JNITED STATE	=8		
This vessel m	ust be manned v	vith the fo	ollowing licensed	and unlice	ensed Personne	l Included in w	which there mu	ist he
0 Certified Lif	eboatmen, 0 Cer	tified Tai	nkermen, 0 HSC	Type Rati	ing, and 0 GMD	SS Operators.	vilicii triere mi	ust be
0 Masters		icensed M		Engineers		Dilers		
0 Chief Mates		First Class		Assistant Eng	gineers			
0 Second Ma		Radio Offic		nd Assistant	J			
0 Third Mates		Able Seam		Assistant Er	_			
0 Master Firs		Ordinary So		sed Engineer				
0 Mate First (Deckhands		ied Member				
Persons allow	is vessel may car ved: 0	ry u Pas	sengers, u Other	Persons	n crew, u Perso	ons in addition t	o crew, and n	o Others. Total
Route Perm	itted And Condi	tions Of	Operation:					
Lakes,	Bays, and So	ounds-						
Also, in fai	r weather only	, not mo	re than twelve	(12) mil	es from shore	between St. 1	Marks and Ca	rrabelle,
This vessel 21(b); if the	has been grante is vessel is o	ed a fre perated	sh water servio in salt water m	ce examin more than	ation interva six (6) mont	l in accordan hs in anv twe	ce with 46 C lve (12) mon	FR Table 31.10- th period, the
vessel must	be inspected us							as soon as this
cnange in st	atus occurs.							
***SEE NEX	T PAGE FOR	ADDITIC	NAL CERTIFIC	ATE INF	ORMATION**	*		
							FS the Office	er in Charge, Marine
								nspection laws and
	regulations preso	ribed the	reunder.	and the second s	en error in the entrolled the distribution	S		1
	Annual/Period	dic/Re-In	spection		This certifica	te issued by:	NU	
Date	Zone	A/P/R	Signatu	re	J. I	H. HART COM	MANDER, by	direction
					Officer in Charge, M	Marine Inspection	V -	*

Inspection Zone

Sector New Orleans



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

Certification Date: 30 Nov 2023 Expiration Date: 30 Nov 2028

Certificate of Inspection

Vessel Name: FMT 3050

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

30Nov2033

07Nov2023

02Jul2018

Internal Structure

27Nov2028

27Nov2023

18Jul2018

--- 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

31914

Barrels

No

No

Hazardous Bulk Solids Authority

Loading Constraints - Structural

Tank Location Description	Max Cargo Weight per Tank (short tons)	Maximum Density (lbs/gal)
2 P/S	909	13.600
1 P/S	956	13.600
3 P/S	967	13.600

Loading Constraints - Stability

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
II	4427	9ft 6in	13.6	LBS
Ш	5114	11ft 6in	13.6	LBS

Conditions Of Carriage

Only those specified hazardous cargoes named in the vessel's Cargo Authority Attachment (CAA), Serial C1-1303585, dated October 23, 2013 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 8.7 lbs/gal. Cargoes with higher densities, up to 13.6 lbs/gal, may be carried as slack loads, but shall not exceed the tank weight limits as listed above.

Vapor Control Authorization

In accordance with 46 CFR 39, excluding 46 CFR 39.4000, this vessel's vapor control system has been inspected to the plans approved by Marine Safety Center letter Serial C1-1303585 dated October 23, 2013 and the list of authorized cargoes on the CAA, Serial C1-1303585 dated October 23, 2013, and found acceptable for collection of bulk liquid cargo vapors annotated



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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

	Internal Exar	m		External Exa	m	
Tank Id	Previous	Last	Next	Previous	Last	Next
2 P/S	18Jul2018	27Nov2023	30Nov2033		*	-
1 P/S	18Jul2018	27Nov2023	30Nov2033	(2)	2	82
3 P/S	18Jul2018	27Nov2023	30Nov2033	=	=	
			Hydro Test			
Tank Id	Safety Valve	es	Previous	Last	Next	
2 P/S	~		¥	125	-	
1 P/S	<u>.</u>		5	.	я	
3 P/S	=		-	·	-	

--- 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



C1-1303585 Dated:

23-Oct-13

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: FMT 3050 Official #: 1105902

Shipyard: Trinity Marine

Hull #: 2090-5

Tank Group Information	Cargo I	dentificati	on		Carac	I.	Tanks		Carg Trans		Enviror Control		Fire	Special Requir	rements		
Tnk Grp. Tanks in Group	Density	Press.	Temp.	Cargo Hull Seg Typ Tank Type Vent		Gauge	Pipe Class Cont		Tanks	Handling Space	Protection Provided	General Materials of Construction		Elec Haz			
A #1P/S, #2P/S, #3P/S	13.6	Atmos.	Amb.	11	1ii 2ii	Integral Gravity	PV	Closed	П	G-1	NR	NA	Portable	.50-60, .50-73, .50-81(a), .50- 81(b), .50-86,	55-1(b), (c), (e), (f), (h), 56-1(a), (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.

List of Authorized Cargoes

Cargo Identificatio	n							Condi	tions of Carriage	
							Vapor Re	ecovery		
Name	Chem	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. Perio
authorized Subchapter O Cargoes										
Acetonitrile	ATN	37	0	С	Ш	Α	Yes	3	No	G
Acrylonitrile	ACN	15 ²	0	С	- 0	Α	No	N/A	.50-70(a), .55-1(e)	G
Adiponitrile	ADN	37	0	Ε	II	Α	Yes	1	No	G
Alkyl(C7-C9) nitrates	AKN	34 ²	0	NA	Ul	Α	No	N/A	.50-81, .50-86	G
Aminoethylethanolamine	AEE	8	0	E	III	Α	Yes	1	,55-1(b)	G
Ammonium bisulfite solution (70% or less)	ABX	43 ²	0	NA	III	Α	No	N/A	.50-73, .56-1(a), (b), (c)	G
Ammonium hydroxide (28% or less NH3)	AMH	6	0	NA	Ш	Α	No	N/A	.56-1(a), (b), (c), (f), (g)	G
Anthracene oil (Coal tar fraction)	AHO	33	0	NA	11	Α	No	N/A	No	G
Benzene	BNZ	32	0	С	Ш	Α	Yes	1	50-60	G
Benzene or hydrocarbon mixtures (having 10% Benzene or more)	внв	32 ²	0	С	RI	Α	Yes	1	50-60	G
Benzene or hydrocarbon mixtures (containing Acetylene and 10% Benzene or more)	ВНА	32 ²	0	С	Ш	Α	Yes	1	.50-60, .56-1(b), (d), (f), (g)	G
Benzene, Toluene, Xylene mixtures (10% Benzene or more)	BTX	32	0	B/C	III	Α	Yes	1	.50-60	G
Butyl acrylate (all isomers)	BAR	14	0	D	Ш	Α	No	N/A	.50-70(a), 50-81(a), (b)	G
Butyl methacrylate	ВМН	14	0	D	111	Α	No	N/A	.50-70(a), 50-81(a), (b)	G
Butyraldehyde (all isomers)	BAE	19	0	С	Ш	Α	Yes	1	.55-1(h)	G
Camphor oil (light)	CPO	18	0	D	П	Α	No	N/A	No	G
Carbon tetrachloride	СВТ	36	0	NA	111	Α	No	N/A	No	G
Chemical Oil (refined, containing phenolics)	COD	21	0	E	- 11	Α	No	N/A	.50-73	G
Chlorobenzene	CRB	36	0	D	tti	Α	Yes	1	No	G
Chloroform	CRF	36	0	NA	HI	Α	Yes	3	No	G
Coal tar naphtha solvent	NCT	33	0	D	Ш	Α	Yes	1	.50-73	Ğ
Creosote	CCV	V 21 ²	0	Е	Ш	Α	Yes	1	No	G
Cresols (all isomers)	CRS	21	0	Ε	10	Α	Yes	1	No	G
Cresylate spent caustic	CSC	5	0	NA	III	Α	No	N/A	50-73, 55-1(b)	G
Cresylic acid tar	CRX		0	E	III	Α	Yes	1	.55-1(f)	G
Crotonaldehyde	CTA		0	С	II	Α	No	N/A	.55-1(h)	G
Crude hydrocarbon feedstock (containing Butyraldehydes and Ethylpropyl acrolein)	CHG	}	0	С	III	Α	No	N/A	No	G
Cyclohexanone	CCH	1 18	0	D	,III	Α	Yes	1	.56-1(a), (b)	G
Cyclohexanone, Cyclohexanol mixture	CYX	18 ²	0	Е	Ш	Α	Yes	1	.56-1 (b)	G
Cyclohexylamine	CHA	7	0	D	01	Α	Yes	1	.56-1(a), (b), (c), (g)	G
Cyclopentadiene, Styrene, Benzene mixture	CSB		0	D	tit	Α	Yes	1	.50-60, 56-1(b)	G
iso-Decyl acrylate	iAi	14	0	E	Ш	Α	No	N/A	.50-70(a), .50-81(a), (b), .55-1(c)	G
Dichlorobenzene (all isomers)	DBX		0	Е	Ш	Α	Yes	3	.56-1(a), (b)	G

^{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.



Certificate of Inspection

Cargo Authority Attachment

Vessel Name: FMT 3050 Official #: 1105902

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Shipyard: Trinity Marine

Serial #: C1-1303585

23-Oct-13

Dated:

Cargo Identification	1							Condi	tions of Carriage	
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	App'd	Recovery VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of	Insp Peri
1,1-Dichloroethane	DCH	36	0	С	111	Α	Yes	1	No	G
2,2'-Dichloroethyl ether	DEE	41	0	D	- 11	Α	Yes	1	.55-1(f)	G
Dichloromethane	DCM	36	0	NA	111	Α	No	N/A	No	G
2,4-Dichlorophenoxyacetic acid, diethanolamine salt solution	DDE	43	0	Е	m	Α	No	N/A	.56-1(a), (b), (c), (g)	G
2,4-Dichlorophenoxyacetic acid, dimethylamine salt solution	DAD	0 1,2	0	Α	III	Α	No	N/A	,56-1(a), (b), (c), (g)	G
2,4-Dichlorophenoxyacetic acid, triisopropanolamine salt solution	DTI	43 ²	0	Е	111	Α	No	N/A	.56-1(a), (b), (c), (g)	G
1,1-Dichloropropane	DPB	36	0	С	111	Α	Yes	3	No	G
1,2-Dichloropropane	DPP	36	0	С	III	Α	Yes		No	G
1,3-Dichloropropane	DPC	36	0	С	111	Α	Yes	3	No	G
1,3-Dichloropropene	DPU	15	0	D	H	A	No	N/A	No	G
Dichloropropene, Dichloropropane mixtures	DMX	15	0	c	II.	Α	Yes	1	No	G
Diethanolamine	DEA	8	0	E	III	Α	Yes	1	.55-1(c)	G
Diethylamine	DEN	7	0	C	III	A	Yes		.55-1(c)	G
Diethylenetriamine	DET	72	0	E	III	= ^	Yes	-	.55-1(c)	G
	DBU	7	0	D	101	A	Yes	3	,55-1(c)	G
Diisobutylamine		8	0	E				1	55-1(c)	G
Diisopropanolamine	DIP				III	A	Yes		.55-1(c)	G
Diisopropylamine	DIA	7	0	C	11	A	Yes	3		
N,N-Dimethylacetamide	DAC	10	0	E	III	A	Yes	1000	56-1(b)	G
Dimethylethanolamine	DMB	8	0	D	111	- A	Yes	1_	.56-1(b), (c)	G
Dimethylformamide	DMF	10	0	D	ш	Α	Yes	1	.55-1(e)	G
Di-n-propylamine	DNA	7	0	С	н	Α	Yes	3	.55-1(c)	G
Dodecyldimethylamine, Tetradecyldimethylamine mixture	DOT	7	0	E	111	Α	No	N/A	.56-1(b)	G
Dodecyl diphenyl ether disulfonate solution	DOS	43	0	#	II.	Α	No	N/A	No	G
EE Glycol Ether Mixture	EEG	40	0	D	M.	Α	No	N/A	No	G
Ethanolamine	MEA	8	0	Е	Ш	Α	Yes	1	,55-1(c)	G
Ethyl acrylate	EAC	14	0	С	III	Α	No	N/A	.50-70(a), .50-81(a), (b)	G
Ethylamine solution (72% or less)	EAN	7	0	Α	H	Α	Yes	6	.55-1(b)	G
N-Ethylbutylamine	EBA	7	0	D	111	Α	Yes	3	.55-1(b)	G
N-Ethylcyclohexylamine	ECC	7	0	D	111	Α	Yes	1	.55-1(b)	G
Ethylene cyanohydrin	ETC	20	0	E	111	Α	Yes	1	No	G
Ethylenediamine	EDA	7 ²	0	D	10	Α	Yes	1	55-1(c)	G
Ethylene dichloride	EDC	36 ²	0	С	III	Α	Yes	1	No	G
Ethylene glycol hexyl ether	EGH	40	0	Ε	H	Α	No	N/A	No	G
Ethylene glycol monoalkyl ethers	EGC	40	0	D/E	.111	Α	Yes	1	No	G
Ethylene glycol propyl ether	EGP	40	0	E	-111	A	Yes	1	No	G
2-Ethylhexyl acrylate	EAI	14	0	E	III	A	No	N/A	.50-70(a), 50-81(a), (b)	G
Ethyl methacrylate	ETM	14	0	D/E	-111		-	N/A	.50-70(a)	G
2-Ethyl-3-propylacrolein	EPA	19 ²	0	E	HI	A	No Yes	- 1	No	G
Formaldehyde solution (37% to 50%)	FMS	19 ²	0	D/E	111		Yes	1	,55-1(h)	G
Furfural						A			.55-1(h)	G
	FFA	19	0	D	113	A	Yes	1		
Slutaraldehyde solution (50% or less)	GTA	19	0	NA		A	No	N/A	No	G
Hexamethylenediamine solution	HMC	7	_0	E	!!!	A	Yes	1	.55-1(c)	G
Hexamethyleneimine	HMI	7	0	С		= A	Yes	- 1	56-1(b), (c)	G
Hydrocarbon 5-9	HFN		0	С	Ш	Α	Yes	1	.50-70(a), 50-81(a), (b)	G
soprene	IPR	30	0	Α	III	A	No	N/A	.50-70(a), .50-81(a), (b)	G
soprene, Pentadiene mixture	IPN		0	В	111	Α	No	N/A	50-70(a), .55-1(c)	G
Kraft pulping liquors (free alkali content 3% or more)(including: Black,	KPL	5	0	NA	101	Α	No	N/A	50-73, .56-1(a), (c), (g)	Ģ



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Certificate of Inspection

Cargo Authority Attachment

Vessel Name: FMT 3050 Official #: 1105902

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Shipyard: Trinity Marine

Cargo Identification	า						- (Condi	tions 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. Perio	
Mesityl oxide	MSO	18 ²	0	D	111	Α	Yes	1	No	G	
Methyl acrylate	MAM	14	0	С	Ш	Α	No	N/A	.50-70(a), .50-81(a), (b)	G	
Methylcyclopentadiene dimer	MCK	30	0	С	Ш	Α	Yes	1	No	G	
Methyl diethanolamine	MDE	8	0	Е	Ш	Α	Yes	1	.56-1(b), (c)	G	
2-Methyl-5-ethylpyridine	MEP	9	0	Ε	111	A	Yes	1	.55-1(e)	G	
Methyl methacrylate	MMN	14	0	С	111	Α	No	N/A	.50-70(a), .50-81(a), (b)	G	
2-Methylpyridine	MPR	9	0	D	111	Α	Yes	3	.55-1(c)	G	
alpha-Methylstyrene	MSR	30	0	D	III	Α	No	N/A	.50-70(a), .50-81(a), (b)	G	
Morpholine	MPL	72	0	D	Ш	Α	Yes	1	.55-1(c)	G	
Vitroethane	NTE	42	0	D	II	Α	No	N/A	.50-81, .56-1(b)	G	
- or 2-Nitropropane	NPM	42	0	D	III	Α	Yes	1	.50-81	G	
I,3-Pentadiene	PDE	30	0	A	111	Α	No	N/A	50-70(a), 50-81	G	
	PER	36	0	NA	III	A	No	N/A		G	
Perchloroethylene	PEB	7 2	0	E	:: III	A	Yes	1	.55-1(e)	G	
Polyethylene polyamines so-Propanolamine	MPA	8	0	E	III	A	Yes	1	.55-1(c)	G	
Propanolamine (iso-, n-)	PAX	8	0	E	- III	A	Yes	1	.56-1(b), (c)	G	
	IPP	7	0	A	- 11	A	No	N/A		G	
so-Propylamine	PRD	9	0	C	HI	A	Yes	1	.55-1(e)	G	
Pyridine	SAU	5	0	NA	111	A	No	N/A		G	
Sodium aluminate solution (45% or less)	SDD	0 1,2		NA	:''- DI	A	No	N/A		G	
Sodium chlorate solution (50% or less)		5	0		111.			N/A		G	
Sodium hypochlorite solution (20% or less)	SHQ	0 1,2		NA	- 111	A	No		.50-73, .55-1(b)	G	
Sodium sulfide, hydrosulfide solution (H2S 15 ppm or less)	SSH			NA		A	Yes	1		G	
Sodium sulfide, hydrosulfide solution (H2S greater than 15 ppm but ess than 200 ppm)	SSI	0 1,2	0	NA	111	A	No	N/A			
Sodium sulfide, hydrosulfide solution (H2S greater than 200 ppm)	SSJ	0 1,2	0	NA	II	Α	No	N/A		G	
Styrene (crude)	STX		0	D	- (1)	Α	No	N/A		G	
Styrene monomer	STY	30	0	D	111	Α	No	N/A	.50-70(a), .50-81(a), (b)	G	
1,1,2,2-Tetrachloroethane	TEC	36	0	NA	111	Α	No	N/A		G	
Fetraethylenepentamine	TTP	7	0	Ε	III	Α	Yes	1	.55-1(c)	G	
Tetrahydrofuran	THF	41	0	С	111	Α	Yes	1	50-70(b)	G	
Toluenediamine	TDA	9	0	E	. 11	Α	No	N/A	.50-73, .56-1(a), (b), (c), (g)	G	
1,2,4-Trichlorobenzene	TCB	- 36	0	Е	10	Α	Yes	1	No	G	
1,1,2-Trichloroethane	TCM	36	0	NA	Ш	Α	Yes	. 1	.50-73, .56-1(a)	G	
Trichloroethylene	TCL	36 ²	0	NA	III	Α	Yes	1	No	G	
1,2,3-Trichloropropane	TCN	36	0	Ε	11	Α	Yes	3	.50-73, .56-1(a)	G	
Triethanolamine	TEA	8 2	0	E	Ш	Α	Yes	1	.55-1(b)	G	
Triethylamine	TEN	7	0	С	H	Α	Yes	3	.55-1(e)	G	
Triethylenetetramine	TET	7 ²	0	E	III	Α	Yes	1	.55-1(b)	G	
Triphenylborane (10% or less), caustic soda solution	TPB	5	0	NA	111	Α	No	N/A	.56-1(a), (b), (c)	G	
Trisodium phosphate solution	TSP	5	0	NA	III	Α	No	N/A		G	
Urea, Ammonium nitrate solution (containing more than 2% NH3)	UAS		0	NA	III	A	No	N/A		G	
Vanillin black liquor (free alkali content, 3% or more).	VBL	5	0	NA	111	A	No	N/A		G	
	VAM		0	C	HI	A	No	N/A		G	
Vinyl acetate	VND		0	E	III	A	No	N/A		G	
Vinyl neodecanate	VNT		0	D	ııı	A	No	N/A		G	
Vinyltoluene	VIVI	Ιδ		U			NO	19//	1 1 1-111-111-111		
ubchapter D Cargoes Authorized for Vapor Contr											
Acetone	ACT	18 ²	D	С		Α	Yes	1			
			_	_				- 4			



l States Coast Guard Dated:

Certificate of Inspection Cargo Authority Attachment

Vessel Name: FMT 3050 Official #: 1105902

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Shipyard: Trinity Marine

Serial #: C1-1303585

23-Oct-13

Cargo Identification	n .					Conditions of Carriage						
Name	Chem	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	App'd (Y or N)	Recovery VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of	Insp.		
Alcohol(C12-C16) poly(1-6)ethoxylates	APU	20	D	E		Α	Yes	1				
Alcohol(C6-C17)(secondary) poly(7-12)ethoxylates	AEB	20		E		A	Yes	1				
Amyl acetate (all isomers)	AEC	34	D	D		Α	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		Α	Yes	1				
Butyl alcohol (iso-)	IAL	20 ²	D	D		Α	Yes	1				
Butyl alcohol (n-)	BAN	20 ²	D	D		Α	Yes	1				
Butyl alcohol (sec-)	BAS	20 ²	D	С		A	Yes	1				
Butyl alcohol (tert-)	BAT		D	С		Α	Yes	1				
Butyl benzyl phthalate	BPH	34	D	E		Α	Yes	1				
Butyl toluene	BUE	32	D	D		Α	Yes	1				
Caprolactam solutions	CLS	22	D	Е		Α	Yes	1				
Cyclohexane	CHX	31	D	С		Α	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				
	DAL	19	D	E	_	A	Yes	1				
n-Decaldehyde				D		A						
Decene Development (All insurance)	DCE	30	D				Yes	1				
Decyl alcohol (all isomers)	DAX	20 2	D	E	_	A	Yes	1				
n-Decylbenzene, see Alkyl(C9+)benzenes	DBZ	32	D	E		Α	Yes	1				
Diacetone alcohol	DAA	20 ²	D	D		A	Yes	1				
ortho-Dibutyl phthalate	DPA	34	D	E		Α	Yes	1		_		
Diethylbenzene	DEB	32	D	D		Α	Yes	1				
Diethylene glycol	DEG	40 ²	D	E		Α	Yes	1				
Diisobutylene	DBL	30	D	С		A	Yes	_1_				
Diisobutyl ketone	DIK	18	D	D		Α	Yes	1				
Diisopropylbenzene (all isomers)	DIX	32	D	E		Α	Yes	1				
Dimethyl phthalate	DTL	34	D	Е		Α	Yes	1				
Dioctyl phthalate	DOP	34	D	Е		Α	Yes	1				
Dipentene	DPN	30	D	D		Α	Yes	1				
Diphenyl	DIL	32	D	D/E		Α	Yes	1				
Diphenyl, Diphenyl ether mixtures	DDO	33	D	Ε		Α	Yes	1				
Diphenyl ether	DPE	41	D	{E}		Α	Yes	1				
Dipropylene glycol	DPG	40	D	E		Α	Yes	1				
Distillates: Flashed feed stocks	DFF	33	D	Е		Α	Yes	1				
Distillates: Straight run	DSR	33	D	E		Α	Yes	1				
Dodecene (all isomers)	DOZ	30	D	D		Α	Yes	1				
2-Ethoxyethyl acetate	EEA	34	D	D		Α	Yes	1				
Ethoxy triglycol (crude)	ETG	40	D	E		Α	Yes	1				
Ethyl acetate	ETA	34	D	С		Α	Yes	1				
Ethyl acetoacetate	EAA	34	D	E		Α	Yes	1				
Ethyl alcohol	EAL	20 ²	D	С		Α	Yes	1				
Ethylbenzene	ETB	32	D	С		A	Yes	1				
Ethyl butanol	EBT	20	D	D		A	Yes	1				
Ethyl tert-butyl ether	EBE	41	D	C		A	Yes	1				



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Cargo Authority Attachment

Vessel Name: FMT 3050 Official #: 1105902

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Shipyard: Trinity Marine

Cargo Identification	n					Conditions of Carriage						
	8							Recovery				
Name	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		
Ethyl butyrate	EBR	34	D	D		Α	Yes	1				
Ethyl cyclohexane	ECY	31	D	D		Α	Yes	1				
Ethylene glycol	EGL	20 ²	D	E		Α	Yes	1				
Ethylene glycol butyl ether acetate	EMA	34	D	Е		Α	Yes	1				
Ethylene glycol diacetate	EGY	34	D	Ε		Α	Yes	1				
Ethylene glycol phenyl ether	EPE	40	D	E		Α	Yes	1				
Ethyl-3-ethoxypropionate	EEP	34	D	D		Α	Yes	1				
2-Ethylhexanol	EHX	20	D	E		Α	Yes	1				
Ethyl propionate	EPR	34	D	С		Α	Yes	1				
Ethyl toluene	ETE	32	D	D		Α	Yes	1				
Formamide	FAM	10	D	E		Α	Yes	1				
Furfuryl alcohol	FAL	20 ²	D	Ε		Α	Yes	1				
Gasoline blending stocks: Alkylates	GAK	33	D	A/C		Α	Yes	1				
Gasoline blending stocks: Reformates	GRF	33	D	A/C		Α	Yes	1				
Gasolines: Automotive (containing not over 4.23 grams lead per gallon)	GAT	33	D	С		Α	Yes	1				
Gasolines: Aviation (containing not over 4.86 grams of lead per gallon)	GAV	33	D	С		Α	Yes	1				
Gasolines: Casinghead (natural)	GCS	33	D	A/C		Α	Yes	1				
Gasolines: Polymer	GPL	33	D	A/C		Α	Yes	1				
Gasolines: Straight run	GSR	33	D	A/C		Α	Yes	1				
Glycerine	GCR	20 ²	D	E		Α	Yes	1				
Heptane (all isomers), see Alkanes (C6-C9) (all isomers)	нмх	31	D	С		Α	Yes	1				
Heptanoic acid	HEP	4	D	E		Α	Yes	1				
Heptanol (all isomers)	HTX	20	D	D/E		Α	Yes	1				
Heptyl acetate	HPE	34	D	Е		Α	Yes	1				
Hexane (all isomers), see Alkanes (C6-C9)	HXS	31 ²	D	B/C		Α	Yes	1				
Hexanoic acid	НХО	4	D	Е		Α	Yes	1				
Hexanol	HXN	20	D	D		Α	Yes	1				
Hexylene glycol	HXG	20	D	E		Α	Yes	1				
Isophorone	lРН	18 ²	D	Е		Α	Yes	1				
Jet fuel: JP-4	JPF	33	D	E		Α	Yes	1				
Jet fuel: JP-5 (kerosene, heavy)	JPV	33	D	D		Α	Yes	1				
Kerosene	KRS	33	D	D		Α	Yes	1				
Methyl acetate	MTT	34	D	D		Α	Yes	1				
Methyl alcohol	MAL	20 ²	D	С		Α	Yes	1				
Methylamyl acetate	MAC		D	D		Α	Yes	1				
Methylamyl alcohol	MAA		D	D		Α	Yes	1				
Methyl amyl ketone	MAK		D	D		Α	Yes					
Methyl tert-butyl ether	MBE		D	C		Α	Yes					
	MBK		D	С		Α	Yes					
Methyl butyl ketone Methyl butyrate	MBU		D	c		Α	Yes					
Methyl ethyl ketone	MEK		D	c		Α	Yes					
	MHK		D	D		A	Yes	-:				
Methyl heptyl ketone	MIK		D	c		A	Yes					
Methyl cophthalana (matter)	MNA		D	E		A	Yes					
Methyl naphthalene (molten)	MNS		D	D		A	Yes					
Mineral spirits	MRE		D	D		A	Yes					
Myrcene	IVIICE	_ 30	D	#		A	Yes					



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Cargo Authority Attachment

Vessel Name: FMT 3050 Official #: 1105902

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Shipyard: Trinity Marine

Cargo Identifica	tion					Conditions of Carriage							
	Oh	0	0.1			T1		Recovery	0 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -				
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Huil Type	Tank Group	(Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of	Insp. Period			
Naphtha: Petroleum	PTN	33	D	#		Α	Yes	1					
Naphtha: Solvent	NSV	33	D	D		Α	Yes	1					
Naphtha: Stoddard solvent	NSS	33	D	D		Α	Yes	1					
Naphtha: Varnish makers and painters (75%)	NVM	33	D	С		Α	Yes	1					
Nonane (all isomers), see Alkanes (C6-C9)	NAX	31	D	D		Α	Yes	1					
Nonyl alcohol (all isomers)	NNS	20 ²	D	Е		Α	Yes	1					
Nonyl phenol	NNP	21	D	Е		Α	Yes	1					
Nonyl phenol poly(4+)ethoxylates	NPE	40	D	E		Α	Yes	1					
Octane (all isomers), see Alkanes (C6-C9)	OAX	31	D	С		Α	Yes	1					
Octanoic acid (all isomers)	OAY	4	D	E		Α	Yes	1					
Octanol (all isomers)	OCX	20 ²	D	Ε		Α	Yes	1					
Oil, fuel: No. 2	OTW	33	D	D/E		Α	Yes	1					
Oil, fuel: No. 2-D	OTD	33	D	D		Α	Yes	1					
Oil, fuel: No. 4	OFR	33	D	D/E		Α	Yes	1					
Oil, fuel: No. 5	OFV	33	D	D/E		Α	Yes	1					
Oil, fuel: No. 6	osx	33	D	E		Α	Yes	1					
Oil, misc: Crude	OIL	33	D	C/D		Α	Yes	1					
Oil, misc: Diesel	ODS	33	D	D/E		Α	Yes	1					
Oil, misc: Gas, high pour	OGP	33	D	E		Α	Yes	1					
Oil, misc: Lubricating	OLB	33	D	E		Α	Yes	1					
Oil, misc: Residual	ORL	33	D	E		Α	Yes	1					
Oil, misc: Turbine	ОТВ	33	D	E		Α	Yes	1					
n-Pentyl propionate	PPE	34	D	D		A	Yes	1					
alpha-Pinene	PIO	30	D	D		Α	Yes	1					
beta-Pinene	PIP	30	D	D		A	Yes	1					
Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether	PAG	40	D	E		Α	Yes	1					
Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether acetate	PAF	34	D	E		A	Yes	1					
Polybutene	PLB	30	D	E		Α	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	С		A	Yes	1					
iso-Propyl alcohol	IPA	20 2	D	С		A	Yes	1					
n-Propyl alcohol	PAL	20 ²	D	С		A	Yes	1					
Propylbenzene (all isomers)	PBY	32	D	D		A	Yes	-					
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				1					
Propylene tetramer	PTT						Yes						
Sulfolane		30	D	D		Α	Yes	1					
Surrolane Tetraethylene glycol	SFL TTG	39	D	E		A	Yes	1					
Tetrahydronaphthalene		40	D	E		A	Yes	1					
Toluene	THN	32	D	E		A	Yes	1					
Tricresyl phosphate (less than 1% of the ortho isomer)	TCP	32	D	C		A	Yes	1					
		34	D	E		A	Yes	1					
Triethylbenzene Triethylene glycol	TEB	32	D	E		= <u>A</u> =	Yes	1					
	TEG	40	D	E		Α	Yes	1		-			
Triethyl phosphate Trimethylbenzene (all isomers)	TPS	34	D	E	-	A	Yes	1					
	TRE	32	D	{D}		Α	Yes	1					

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Cargo Authority Attachment

Vessel Name: FMT 3050 Official #: 1105902

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Shipyard: Trinity Marine

Cargo Ide	Conditions of Carriage									
							Vapor F	Recovery		
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Huil Type	Tank Group	App'd (Y or N)		Special Requirements in 46 CFR 151 General and Mat'ls of	Insp. Period
Undecene	UDC	30	D	D/E		Α	Yes	1		
1-Undecyl alcohol	UND	20	D	Е		Α	Yes	1		
Xylenes (ortho-, meta-, para-)	XLX	32	D	D		Α	Yes	1		



Department of Homeland Security United States Coast Guard

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Cargo Authority Attachment

Vessel Name: FMT 3050 Official #: 1105902

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Shipyard: Trinity Marine

Hull #: 2090-5

Explanation of terms & symbols used in the Table:

Cargo Identification

Name Chem Code 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. 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.

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 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 See Appendix I to 46 CFR Part 150 - exceptions to the compatability chart.

Note 2

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 lammable liquid cargoes, as defined in 46 CFR 30-10.22

A, B, C Note 4

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.

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 NA

NΑ

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 Vapor Recover Approved (Y or N) The vessel's tank group (as defined in Section 4) which is authorized for carriage of the named cargo

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

Vapor Recovery Approved (Y or N) 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.

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: Category 1

The specified cargo's provisional classification for vapor control systems.

(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 componenets 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 arrester.

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 Category 7

(High vapor pressure and highly toxic) Must comply with requirements of Categories 1, 3 and 5, (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