

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

Certification Date: 08 Dec 2022 Expiration Date: 08 Dec 2027

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 Tank Barge FMT 3027 1111826 Hailing Port Hull Material Propulsion Horsepower NEW ORLEANS, LA Steel UNITED STATES Place Buill Delivery Date Keel Laid Date Gross Tons Net Tons DWT Length MADISONVILLE, LOUSIANA R-297,5 R-1619 R-1619 18Jun2001 1-0 UNITED STATES Owner Operator FLORIDA MARINE LLC FMT INDUSTRIES LLC 2360 Fifth Street 2360 5TH STREET Mandeville, LA 70471 MANDEVILLE, LA 70471 UNITED STATES 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 Licensed Mates 0 Chief Engineers 0 Oilers 0 Masters 0 First Class Pilots 0 First Assistant Engineers 0 Chief Mates 0 Radio Officers 0 Second Assistant Engineers 0 Second Mates 0 Third Mates 0 Able Seamen 0 Third Assistant Engineers 0 Master First Class Pilot 0 Ordinary Seamen 0 Licensed Engineers

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

0 Qualified Member Engineer

Route Permitted And Conditions Of Operation:

0 Deckhands

#### ---Lakes, Bays, and Sounds---

0 Mate First Class Pilots

ALSO, IN FAIR WEATHER ONLY, NOT MORE THAN TWELVE (12) MILES FROM LAND BETWEEN ST. MARKS AND CARRABELLE, FLORIDA.

THIS VESSEL HAS BEEN GRANTED A FRESH WATER SERVICE EXAMINATION INTERVAL IN ACCORDANCE WITH 46 CFR 31.10-21(B); IF THIS VESSEL IS OPERATED IN SALT WATER MORE THAN SIX MONTHS IN ANY TWELVE 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.

This tank barge is participating in the Eighth-Ninth Coast Guard District's Tank Barge Streamlined Inspection

#### \*\*\*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/Peri	iodic/Re-Inspe	ction	This certificate issued by
Date	Zone	A/P/R	Signature	J. H. HART COMMANDER, by direction
				Officer in Charge, Marine Inspection
				Sector New Orleans
				Inspection Zone



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

Certification Date: 08 Dec 2022 08 Dec 2027 **Expiration Date:** 

## Certificate of Inspection

Vessel Name: FMT 3027

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

31Jul2031

06Dec2022

12Jul2011

Internal Structure

31Aug2027

06Dec2022

17Aug2017

### --- 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

33200

Barrels

No

No

### \*Hazardous Bulk Solids Authority\*

### \*Loading Constraints - Structural\*

Tank Location Description

Max Cargo Weight per Tank (short tons)

Maximum Density (lbs/gal)

1 P/S

84

13.600

2 P/S

86

13.600

3 P/S

86

13.600

Aft Port Slop

Aft Strb Slop

### \*Loading Constraints - Stability\*

Гуре	Hull
ı ypı	HUII

Maximum Load (short tons)

Maximum Draft

Max Density

Route Description

Ш

3902

(ft/in) 9ft 6in (lbs/gal) 13.6

RIVERS, LAKES, BAYS AND SOUNDS

Ш

4904

11ft 6in

13.6

RIVERS, LAKES, BAYS AND SOUNDS

#### \*Conditions Of Carriage\*

Only those specified hazardous cargoes named in the vessel's Cargo Authority Attachment (CAA), Serial C1-1303585, dated 23 OCT 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.

#### \*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 C1-01012167 dated 22JUN01 and the list of authorized cargoes on the CAA, Serial C1-1303585 dated 23OCT13, and found acceptable for collection of bulk liquid cargo vapors annotated with "Yes" in the



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Vessel Name: FMT 3027

CAA's VCS column.

### --- Inspection Status ---

### \*Cargo Tanks\*

		Internal Exam			External Exam	ı	
	Tank Id	Previous	Last	Next	Previous	Last	Next
	1 P/S	17Aug2017	06Dec2022	31Dec2032	<u>=</u>	i 🕳 :	(a)
	2 P/S	17Aug2017	06Dec2022	31Dec2032	*		( <b>2</b> 0
1	3 P/S	17Aug2017	06Dec2022	31Dec2032	2	N4:	**
l	Aft Port Slop	17Aug2017	06Dec2022	31Dec2032		of:	•
I	Aft Strb Slop	17Aug2017	06Dec2022	31Dec2032	¥	(e)	(m)
I				Hydro Test			
I	Tank Id	Safety Valves		Previous	Last	Next	
I	1 P/S	=		•	ī	Ē	
١	2 P/S	2		(•:	<b>#</b>	-	
I	3 P/S	<b>z</b>		•	÷	<u>=</u>	
I	Aft Port Slop	-		-	-	=	is.
I	Aft Strb Slop	-		-	-	<u></u>	

### --- 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\*\*\*

Serial #:

C1-1303585



## Certificate of Inspection

Cargo Authority Attachment

Vessel Name: FMT 3027

Shipyard: Trinity Marine

Madisonville

Hull #: 2094-1

Official #: 1111826

Tank Group Information	Group Characteristics  Cargo Identification				Tanks			Cargo Transfer		Environmental Control		Fire	Special Requirements				
Tnk Grp Tanks in Group	Density	Press.	Temp_		Seg Tank	_	Vent	Gauge	Pipe Class	Cont	Tanks	Handling Space	Protection: Provided ;	General	Materials of Construction		Temp Cont
A #1P/S, #2P/S, #3P/S	13.6	Atmos.	Amb.	П	1# 2#	Integral Gravity	PV	Closed	H	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					Conditions of Carriage						
	1						Vapor Re	covery				
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	App'd (Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of	Insp. Period		
Authorized Subchapter O Cargoes									040			
Acetonitrile	ATN	37	0	С	III	Α	Yes	3	No	G		
Acrylonitrile	ACN	15 <sup>2</sup>	0	С	11	Α	No	N/A	50-70(a), 55-1(e)	G		
Adiponitrile	ADN	37	0	E	П	Α	Yes	1	No	G		
Alkyl(C7-C9) nitrates	AKN	34 2	0	NA	Ш	Α	No	N/A	50-81, 50-86	G		
Aminoethylethanolamine	AEE	8	0	Ε	111	Α	Yes	1	.55-1(b)	G		
Ammonium bisulfite solution (70% or less)	ABX	43 <sup>2</sup>	0	NA	- 111_	Α	No	N/A	,50-73, ,56-1(a), (b), (c)	∃ G		
Ammonium hydroxide (28% or less NH3)	AMH	6	0	NA	111	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	111	Α	Yes	1	50-60	G		
Benzene or hydrocarbon mixtures (having 10% Benzene or more)	внв	32 <sup>2</sup>	0	С	111	Α	Yes	1	50-60	G		
Benzene or hydrocarbon mixtures (containing Acetylene and 10% Benzene or more)	ВНА	32 <sup>2</sup>	0	С	111	А	Yes	1	,50-60, ,56-1(b), (d), (f), (g)	G		
Benzene, Toluene, Xylene mixtures (10% Benzene or more)	BTX	32	0	B/C	111	Α	Yes	1	50-60	G		
Butyl acrylate (all isomers)	BAR	14	0	D	101	Α	No	N/A	.50-70(a), .50-81(a), (b)	G		
Butyl methacrylate	вмн	14	0	D	m.	Α	No	N/A	.50-70(a), .50-81(a), (b)	G		
Butyraldehyde (all isomers)	BAE	19	0	С	Ü	Α	Yes	1	55-1(h)	G		
Camphor oil (light)	CPO	18	0	D	11	Α	No	N/A	No	G		
Carbon tetrachloride	CBT	36	0	NA	Ш	Α	No	N/A	No	G		
Chemical Oil (refined, containing phenolics)	COD	21	0	Е	Н	Α	No	N/A	50-73	G		
Chlorobenzene	CRB	36	0	D	Ш	Α	Yes	1	No	G		
Chloroform	CRF	36	0	NA	111	Α	Yes	3	No	G		
Coal tar naphtha solvent	NCT	33	0	D	111	Α	Yes	1	.50-73	G		
Creosote	CCV	/ 21 <sup>2</sup>	0	Ε	Ш	Α	Yes	1	No	G		
Cresols (all isomers)	CRS	21	0	E	Ш	Α	Yes	1	No	G		
Cresylate spent caustic	CSC	5	0	NA	Ш	Α	No	N/A	50-73, 55-1(b)	G		
Cresylic acid tar	CRX		0	Ε	111	Α	Yes	1	.55-1(f)	G		
Crotonaldehyde	СТА	19 <sup>2</sup>	0	С	11	Α	No	N/A	.55-1(h)	G		
Crude hydrocarbon feedstock (containing Butyraldehydes and Ethylpropyl acrolein)	CHG		0	С	111	Α	No	N/A	No	G		
Cyclohexanone	CCH	18	0	D	III	Α	Yes	1	.56-1(a), (b)	G		
Cyclohexanone, Cyclohexanol mixture	CYX	18 <sup>2</sup>	0	Ε	H	Α	Yes	1	.56-1 (b)	G		
Cyclohexylamine	СНА	. 7	0	D	III	А	Yes	1	56-1(a), (b), (c), (g)	G		
Cyclopentadiene, Styrene, Benzene mixture	CSB	30	0	D	m	Α	Yes	1	,50-60, 56-1(b)	G		
iso-Decyl acrylate	IAI	14	0	E	111	Α	No	N/A	50-70(a), 50-81(a), (b), 55-1(c)	G		

<sup>2.</sup> 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.

<sup>3.</sup> 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

Official #: 1111826

Shipyard: Trinity Marine

Madisonville

Hull #: 2094-1

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Cargo Identification	n				Д		(	Condi	tions of Carriage	
	1							Recovery		į
Name Dichlorobenzene (all isomers)	Chem Code DBX	Compat Group No 36	Sub Chapter O	Grade E	Hull Type	Tank Group A	App'd (Y or N) Yes	VCS Calegory 3	Special Requirements in 46 CFR 151 General and Mat'ls of 56-1(a), (b)	Insp. Period G
1,1-Dichloroethane	DCH	36	0	C	III	Α	Yes	1	No	G
2,2'-Dichloroethyl ether	DEE	41	0 *	D	11	A	Yes	1	.55-1(f)	G
Dichloromethane	DCM	36	0	NA	10	A	No	N/A		G
2,4-Dichlorophenoxyacetic acid, diethanolamine salt solution	DDE	43	0	E	m	A	No	N/A		G
2,4-Dichlorophenoxyacetic acid, dimethylamine salt solution	DAD	0 1,2		A	.101	A	No	N/A		G
2,4-Dichlorophenoxyacetic acid, triisopropanolamine salt solution	DTI	43 2	0	E	111	A	No	N/A		G
1,1-Dichloropropane	DPB	36	-0	C	10	A	Yes	3	No	G
1,2-Dichloropropane	DPP	36	0	C	ш	A	Yes	3	Na	G
1,3-Dichloropropane	DPC	36	0	С	111	A	Yes	3	No	G
1,3-Dichloropropene	DPU	15	0	D	11	A	No	N/A	No	G
Dichloropropene, Dichloropropane mixtures	DMX	15	0	C	H	A	Yes	1	No	G
\$4154B	DEA	8	0	E	m	A	Yes	1	.55-1(c)	G
Diethanolamine Diethylamine	DEN	7	0	C	IH	A	Yes	3	.55-1(c)	G
	DEN	72	0	E	111	A	Yes	1	.55-1(c)	G
Diethylenetriamine	DBU	7	0	D .	111	A	Yes	3	55-1(c)	G
Diisobutylamine	DIP	8	0	E		A	Yes	₩1	55-1(c)	G
Disopropanolamine	DIA	7	0	C	1H 11		Yes	3	55-1(c)	G
Diisopropylamine N.N-Dimethylacetamide	DAC	10	0	E	111	A	Yes	3	.56-1(b)	G
	DMB	8	0	D	111	A	Yes	1	.56-1(b), (c)	G
Dimethylethanolamine	DMF	10	0	D	ш			3	55-1(e)	G
Dimethylformamide	DNA	7	0	С	11	Α	Yes	3	.55-1(c)	G
Di-n-propylamine	DOT	7	O.	E	111	A			56-1(b)	G
Dodecyldimethylamine, Tetradecyldimethylamine mixture			0	#		- A	No	N/A N/A	No	G
Dodecyl diphenyl ether disulfonate solution	DOS	43			S II	A	No	N/A	No	G
EE Glycol Ether Mixture	EEG	40	0	E	[]]	A	No	1 1	55-1(c)	G
Ethanolamine	MEA	8	0		Ш	A	Yes		.50-70(a), .50-81(a), (b)	G
Ethyl acrylate	EAC	14	0	C	111	A	No	⊕ N/A	.55-1(b)	G
Ethylamine solution (72% or less)	EAN	7	0	A	11	A	Yes	6	55-1(b)	G
N-Ethylbutylamine	EBA	7	0	D	III	A	Yes	3	55-1(b)	G
N-Ethylcyclohexylamine	ECC	7	.0	D	!!!	Α :	Yes	1		G
Ethylene cyanohydrin	ETC	20	0	E		Α	Yes	. 1 :	No .55-1(c)	G
Ethylenediamine	EDA	7 2	0	D	[]]	Α	Yes	1	No No	G
Ethylene dichloride	EDC	36 <sup>2</sup>	0	С	- 111	A	Yes	1	No	G
Ethylene glycol hexyl ether	EGH	40	0	E	111	Α	No	N/A		G
Ethylene glycol monoalkyl ethers	EGC	40	0	D/E	111	Α .	Yes	1	No	G
Ethylene glycol propyl ether	EGP	40	0	E	Ш	Α	Yes	1	No	G
2-Ethylhexyl acrylate	EAI	14	0	E	- 111	A	No	N/A	,50-70(a), ,50-81(a), (b)	G
Ethyl methacrylate	ETM	14	0	D/E	111	Α	No	N/A	):	G
2-Ethyl-3-propylacrolein	EPA	19 <sup>2</sup>	0	E	111	A	Yes	1	No	
Formaldehyde solution (37% to 50%)	FMS	19 <sup>2</sup>	0	D/E	111	Α	Yes	1	.55-1(h)	G
urfural	FFA	19	0	D	111	A	Yes	1	.55-1(h)	G
Glutaraldehyde solution (50% or less)	GTA	19	0	NA _	III	A	No	N/A	No.	
lexamethylenediamine solution	HMC	7	0	E	Ш	Α	Yes	1	.55-1(c)	G
lexamethyleneimine	HMI	7	0	С	- 11	Α	Yes	11	.56-1(b), (c)	G
lydrocarbon 5-9	HFN		0	С	EIII	Α	Yes	1	.50-70(a), .50-81(a), (b)	G
soprene	IPR	30	0	Α	111	Α	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



Serial #: C1-1303585 Dated: 23-Oct-13

# Certificate of Inspection

Cargo Authority Attachment

Shipyard: Trinity Marine

Madisonville

Hull #: 2094-1

Vessel Name: FMT 3027

Official #: 1111826 Page 3 of 8

Cargo Identification	1						(	Condi	tions of Carriage	DC.
	1					_	Vapor R			1
Name Kraft pulping liquors (free alkali content 3% or more)(including: Black	Chem Code KPL	Compat Group No 5	Sub Chapter O	Grade NA	Hull Type III	Tank Group A	App'd (Y or N) No	VCS Calegory N/A	Special Requirements in 46 CFR 151 General and Mat'ls of .50-73, .56-1(a), (c), (g)	Insp. Period G
Green, or White liquor)	MSO	18 <sup>2</sup>	0	D	Ш	Α	Yes	1	No	G
Mesityl oxide	MAM	14	0	С	101	A	No	N/A	50-70(a), 50-81(a), (b)	G
Methyl acrylate	MCK	30	0	C	18	A	Yes	- 1	No	G
Methylcyclopentadiene dimer	MDE	8	0	E	111	A	Yes	1	,56-1(b), (c)	G
Methyl diethanolamine		9	0	E	101	A	Yes	1:	55-1(e)	G
2-Methyl-5-ethylpyridine	MEP			C	131	A	No	N/A	.50-70(a), .50-81(a), (b)	G
Methyl methacrylate	MMM	9	0	D	111	A	Yes	3	.55-1(c)	G
2-Methylpyridine								N/A	50-70(a), 50-81(a), (b)	G
alpha-Methylstyrene	MSR	30 7 <sup>2</sup>	0	D D	- 111	Α	No	1	55-1(c)	G
Morpholine	MPL		0		III	A	Yes		50-81, 56-1(b)	G
Nitroethane	NTE	42	0	D		Α	No	N/A	50-81	G
1- or 2-Nitropropane	NPM	42	0	D	- 111	A	Yes	1		G
1,3-Pentadiene	PDE	30	0	A	111	A	No	N/A		G
Perchloroethylene	PER	36	0	NA	111	Α .	No	N/A		G
Polyethylene polyamines	PEB	7 2	0	Ę	111	A	Yes	1	.55-1(e)	(ě.
iso-Propanolamine	MPA	8	0	Е	311	Α	Yes	1	.55-1(c)	G
Propanolamine (iso-, n-)	PAX	8	0	Е	III	Α	Yes	1	56-1(b), (c)	G
iso-Propylamine	IPP	7	0	Α	11	A	No	N/A		G
Pyridine	PRD	9	0 .	С	##	A	Yes	1	55-1(e)	G
Sodium aluminate solution (45% or less)	SAU	5	0	NA	III	Α	No	N/A		G
Sodium chlorate solution (50% or less)	SDD	0 1,2	0	NA	III	Α	No	N/A		G
Sodium hypochlorite solution (20% or less)	SHQ	5	0	NA	111	Α	No	N/A		G
Sodium sulfide, hydrosulfide solution (H2S 15 ppm or less)	SSH	0 1,2	. 0	NA	- 111	Α	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	0	NA	III	Α	No	N/A	.50-73, .55-1(b)	, G
Sodium sulfide, hydrosulfide solution (H2S greater than 200 ppm)	SSJ	0 1,2	0	NA	11	Α	No	N/A		G
Styrene (crude)	STX		0	D	111	Α	No	N/A	No	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	10	Α	No	N/A	No	G
Tetraethylenepentamine	TTP	7	0	Ε	101	Α	Yes	1	55-1(c)	G
Tetrahydrofuran	THF	41	0	C	10	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	Ε	- III	Α	Yes	1	No	G
1,1,2-Trichloroethane	TCM	36	0	NA	111	A	Yes	1	50-73, 56-1(a)	G
Trichloroethylene	TCL	36 <sup>2</sup>	0	NA	111	Α	Yes	1	No	G
1,2,3-Trichloropropane	TCN	36	0	E	11	Α	Yes	3	50-73, 56-1(a)	G
Triethanolamine	TEA	82	0	E ,,	111	Α	Yes	1	.55-1(b)	G
Triethylamine	TEN	7	0	C	Л	Α	Yes	3	55-1(e)	G
Triethylenetetramine	TET	7 2	0	Ε	Ш	Α	Yes	1	55-1(b)	G
Triphenylborane (10% or less), caustic soda solution	TPB	5	0	NA	111	А	No	N/A	56-1(a), (b), (c)	G
Trisodium phosphate solution	TSP	5	0	NA	111	Α	No	N/A	50-73, .56-1(a), (c)	G
Urea, Ammonium nitrate solution (containing more than 2% NH3)	UAS	6	0	NA	111	Α	No	N/A	.56-1(b)	G
Vanillin black liquor (free alkali content, 3% or more).	VBL	5	0	NA	10	Α	No	N/A	50-73, 56-1(a), (c), (g)	G
Vinyl acetate	VAM		0	С	III	Α	No	N/A	50-70(a), 50-81(a), (b)	G
Vinyl neodecanate	VND	13	0	E	III	А	No	N/A	50-70(a), 50-81(a), (b)	G
	VNT	13	0	D	III	А	No	N/A	50-70(a), 50-81, 56-1(a), (b), (c), (	G



# Certificate of Inspection

### Cargo Authority Attachment

Official #: 1111826

Shipyard: Trinity Marine

Madisonville

Hull #: 2094-1

Vessel Name: FMT 3027

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Cargo Identification		Conditions of Carriage							
	Cham	Company	Cub		Chaff	Took		Recovery	Consider Requirements in 46 CER
Name	Chem Code	Compat Group No	Sub Chapte	r Grade	Hull	Tank Group	App'd (Y or N)	VCS Category	Special Requirements in 46 CFR Insp. 151 General and Mat'ls of Perio
Subchapter D Cargoes Authorized for Vapor Cont	rol								
Acetone	ACT	18 2	D	С		Α	Yes	1	
Acetophenone	ACP	18	D	Ε		Α	Yes	1	
Alcohol(C12-C16) poly(1-6)ethoxylates	APU	20	Đ	Ε.		Α	Yes	1	,X
Alcohol(C6-C17)(secondary) poly(7-12)ethoxylates	AEB	20	D	E		Α	Yes	1	(III
Amyl acetate (all isomers)	AEC	34	D	D	13	Α	Yes	1	
Amyl alcohol (iso-, n-, sec-, primary)	AAI	20	D	D		Α	Yes	1	
Benzyl alcohol	BAL	21	D	E		Α	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		Α	Yes	1	
Butyl acetate (all isomers)	BAX	34	D	D	11.00	Α	Yes	1	
Butyl alcohol (iso-)	IAL	20 <sup>2</sup>	D	D		Α	Yes	1	
Butyl alcohol (n-)	BAN	20 <sup>2</sup>	D	D		Α	Yes	1	
Butyl alcohol (sec-)	BAS	20 2	D	С		Α	Yes	.1	
Butyl alcohol (tert-)	BAT		D	С		Α	Yes	. 1	
Butyl benzyl phthalate	BPH	34	D	Ε		Α	Yes	1	
Butyl toluene	BUE	32	D	D		Α	Yes	1	
Caprolactam solutions	CLS	22	D	Ε		Ä	Yes	1	
Cyclohexane	CHX	31	D	C		Α	Yes	1	
Cyclohexanol	CHN	. 20	D	Е		Α	Yes	1	
p-Cymene `	CMP	32	D	D		Α	Yes	1	
iso-Decaldehyde	IDA	19	D	Е		Α	Yes	1	41
n-Decaldehyde	DAL	19	D	E		Α	Yes	1	
Decene	DCE	30	D	D		Α	Yes	1	
Decyl alcohol (all isomers)	DAX	20 2	D	Е		Α	Yes	1	
n-Decylbenzene, see Alkyl(C9+)benzenes	DBZ	32	D	E		Α	Yes	1	
Diacetone alcohol	DAA	20 2	D	D		Α	Yes	- 1	
ortho-Dibutyl phthalate	- DPA	34	D	E		Α	Yes	1	
Diethylbenzene	DEB	32	D	D	•	Α	Yes	1	
Diethylene glycol	DEG '	40 <sup>2</sup>	D	E.		Α	Yes	1	Fi .
Diisobutylene	DBL	30	D	С		A	Yes	1	
Diisobutyl ketone	DIK	18	D	D		Α	Yes	1	
Diisopropylbenzene (all isomers)	DIX	32	D	Е		Α	Yes	1	
Dimethyl phthalate	DTL	34	D	E		Α	Yes	1	€
Dioctyl phthalate	DOP	34	D	E		Α	Yes	1	0
Dipentene	DPN	30	D	D		Α	Yes	1	
Diphenyl	DIL	32	D	D/E		Α	Yes	1	
Diphenyl, Diphenyl ether mixtures	DDO	33	D	E		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	E		Α	Yes	1	
Distillates: Straight run	DSR	33	D	Ε		A	Yes	1	22 2
Dodecene (all isomers)	DOZ	30	D	D		Α	Yes	1	34
2-Ethoxyethyl acetate	EEA	34	D	D		Α	Yes	1	
Ethoxy triglycol (crude)	ETG	40	D	Е		Α	Yes	1	
Ethyl acetate	ETA	34	D	С		Α	Yes	1	
Ethyl acetoacetate	EAA	34	D	E		Α.	Yes	1	

<sup>\*\*\*</sup> This document is only valid when attached to, and referenced by a current, valid Certificate of Inspection. \*\*\*



# Certificate of Inspection

### Cargo Authority Attachment

Vessel Name: FMT 3027

Official #: 1111826

Shipyard: Trinity Marine

Madisonville

Serial #: C1-1303585

23-Oct-13

Hull #: 2094-1

Page 5 of 8

Cargo Identificatio	n							Condi	tions of Carriage	
		_				Ä		Recovery		(10-00)
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.
Ethyl alcohol	EAL	20 2	D	C		Α	Yes	1		10 10
Ethylbenzene	ETB	32	D	С		Α	Yes	1		- 8
Ethyl butanol	EBT	20	D	D		Α	Yes	1	E	
Ethyl tert-butyl ether	EBE	41	D	С		Α	Yes	1		
Ethyl butyrate	EBR	34	D	D		Α	Yes	1	₩	
Ethyl cyclohexane.	ECY	31	D	D		Α	Yes	1		
Ethylene glycol	EGL	20 <sup>2</sup>	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	9		
Ethyl-3-ethoxypropionate	EEP	34	D	D		Α	Yes	1		
2-Ethylhexanol	EHX	20	D	Ε		Α	Yes	1		
Ethyl propionate	EPR	34	D	С		Α	Yes	1		
Ethyl toluene	ETE	32	D	D		A	Yes	1		
Formamide	FAM	10	D	Ė		Α	Yes	4		70
Furfuryl alcohol	FAL	20 2	D	Ε		Α	Yes	4		
Gasoline blending stocks: Alkylates	GAK	33	D	A/C		Α	Yes	4	2	
Gasolinė 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		А	Yes	1		
Gasolines: Casinghead (natural)	GCS	33	D	A/C		Α	Yes	1		
Gasolines: Polymer	GPL	33	D	A/C		A	Yes	4		
Gasolines: Straight run	GSR	33	D	A/C		A	Yes	1		
Glycerine	GCR	20 <sup>2</sup>	D	E		A	Yes	9 1		
Heptane (all isomers), see Alkanes (C6-C9) (all isomers)	HMX	31	D	С		A	Yes	4		
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	4		
Hexanic acid	HXO	4	D	E E		A	Yes	Ť	-5	
	HXN	20	D	D		A		4		
Hexanol Howeless always	HXG	20	D	E		A	Yes	1		_
Hexylene glycol	1PH	18 <sup>2</sup>		E	_			1		
Isophorone			D			A	Yes	7231		
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		А	Yes	1		
Methyl acetate	MTT	34	D	D		Ά	Yes	1		
Methyl alcohol	MAL	20 <sup>2</sup>	D	С		Α.	Yes	1		_
Methylamyl acetate	MAC	34	D	D		Α	Yes	1		
Methylamyl alcohol	MAA	20	D	D		A	Yes	_1_		
			D	D		Α	Yes	1		
Methyl amyl ketone	MAK	18								
harden 19 and 19	MBE	41 2	D	С		Α	Yes	10		
Methyl tert-butyl ether		41 <sup>2</sup>		С		A A	Yes Yes	10		
Methyl tert-butyl ether Methyl butyl ketone	MBE	41 2	D							
Methyl amyl ketone Methyl tert-butyl ether Methyl butyl ketone Methyl butyrate Methyl ethyl ketone	MBE MBK	41 <sup>2</sup>	D D	С		Α	Yes	1		
Methyl tert-butyl ether Methyl butyl ketone Methyl butyrate	MBE MBK MBU	41 <sup>2</sup> 18 34	D D	C C		A A	Yes Yes	1 1		

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C1-1303585



# Certificate of Inspection

## Cargo Authority Attachment

Shipyard: Trinity Marine

Madisonville

Hull #: 2094-1

Page 6 of 8 Official #: 1111826

Cargo Identification	n =				1			Condi	tions of Carriage
	1							Recovery	
·	Chem	Compat	Sub	Ceada	Hull	Tank	App'd	vcs	Special Requirements in 46 CFR Insp.
Methyl naphthalene (molten)	Code MNA	Group No 32	Chapter D	E	Type	Group A	(Y or N) Yes	Category 1	151 General and Mat'ls of Period
Mineral spirits	MNS	33	D	D		Α	Yes	1	
Myrcene	MRE	30	D	D		A	Yes	1	
Naphtha: Heavy	NAG	33	D	#		A	Yes	1	* · · · · · · · · · · · · · · · · · · ·
Naphtha: Petroleum	PTN	33	D	#		Α	Yes	1	**
Naphtha: Solvent	NSV	33	D	D		Α	Yes	1	4);
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	1:	A	Yes	1	<del></del>
Nonyl alcohol (all isomers)	NNS	20 <sup>2</sup>	D	E		Α	Yes	1	× .
Nonyl phenol	NNP	21	D	E		Α	Yes	1	
Nonyl phenol poly(4+)ethoxylates	NPE	40	D	E		A	Yes	1	*
Octane (all isomers), see Alkanes (C6-C9)	OAX	31	D	С		A	Yes	1 0	
Octanoic acid (all isomers)	OAY	4	D	E		Α	Yes	1	
Octanol (all isomers)	OCX	20 <sup>2</sup>	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		Α	Yes	1	5.
	OFR	33	D	D/E		A	Yes	1.00	
Oil, fuel; No. 4	OFV	33	D	D/E		A	Yes	- 1	
Oil, fuel: No. 5	OSX	33	D	É		A	Yes	1	
Oil, fuel: No. 6	OIL	33	D	C/D		A	Yes	1	
Oil, misc: Crude	ODS	33	D	D/E		A	Yes	1	
Oil, misc: Diesel	OGP	33	D	E	_	A	Yes	1	
Oil, misc: Gas, high pour	OLB	33	D	E		A	Yes	1	
Oil, misc: Lubricating	ORL	33	D	E		A	Yes	1	
Oil, misc: Residual	OTO	22	D	E		A	Yes	3	
Oil, misc: Turbine	OTB   PPE	33	D	D		A	Yes	1	
n-Pentyl propionate		34	D	D		A	Yes	1	- <del>-</del>
alpha-Pinene	PIO	30				A		1	
beta-Pinene	PIP	30	D D	D		A	Yes	1	* *
Poly(2-8)aikylene glycol monoalkyl(C1-C6) ether	PAG	40		E		A		1	
Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether acetate	PAF	34	D	E			Yes	1 -	
Polybutene	PLB	30	D	E		A	Yes	11577	
Polypropylene glycol	PGC	40	D	E		A	Yes	1_	
iso-Propyl acetate	łAC	34	D	С		A	Yes	1	
n-Propyl acetate	PAT	34	D	С		Α .	Yes	1	
iso-Propyl alcohol	IPA .	20 2	D	С		Α	Yes	1	
n-Propyl alcohol	PAL	20 2	D	С		A	Yes	1	
Propylbenzene (all isomers)	PBY	32	D	D		Α	Yes	1	
iso-Propylcyclohexane	IPX	31	D	D		Α	Yes	1.	
Propylene glycol	PPG	20 2	D	E		Α	Yes	1	
Propylene glycol methyl ether acetate	PGN	34	D	D		Α	Yes	1	
Propylene tetramer	PTT	30	D	D.		A		. 1	OHI DE HOLDE DESCRIPTION
Sulfolane	SFL	39	D	E		Α	Yes	1	
Tetraethylene glycol	TTG	40	D	E	-4	Α	Yes	1	
Tetrahydronaphthalene	THN	32	D	E		A	Yes	1	
Toluene	TOL	32	D	С		Α .	Yes	1	٠
Tricresyl phosphate (less than 1% of the ortho isomer)	TCP	34	D	E		Α	Yes	- 1	ward and I have recent in recent
Triethylbenzene	TEB	32	D	E		A	Yes	4	

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Serial #: Dated:

C1-1303585 23-Oct-13

# Certificate of Inspection

Cargo Authority Attachment

Page 7 of 8

Vessel Name: FMT 3027 Official #: 1111826

Shipyard: Trinity Marine

Madisonville

Hull #: 2094-1

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

Serial #:

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# Certificate of Inspection

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,

Cargo Authority Attachment

Vessel Name: FMT 3027 Official #: 1111826

Page 8 of 8

Shipyard: Trinity Marine

Hull #: 2094-1

#### Explanation of terms & symbols used in the Table:

#### Cargo Identification

Chem Code none

Compatability Group No.

Note 1

Note 2

Subchapter

Subchapter D Subchapter O

Note 3

A, B, C D. E

Grade

Hull Type

11

Note 4

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.

Certain mixtures of cargoes may not have a CHRIS Code assigned.

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

Those cargoes listed in 46 CFR Part 153 Table 2 are non-regulated cargoes when carried in bulk on non-oceangoing barges.

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

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.

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

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. 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.

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 Recoven 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:

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 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, Manne 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

Calegory 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 Calegory 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

The cargo has not been evaluated/classified for use in vapor control systems.