

Dept. of Home Sec., USCG, CG-841 (Rev 4-2000)(v2)

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

Certification Date: 02 Nov 2023 Expiration Date: 02 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.

<b>KIRBY 11357</b>		Official Number	r	IMO Numbe	*	Call Sign	Service	
KIINDI 11007		1215573					Tank E	Barge
Hailing Port	NC IA	Hull M	laterial	Horsep	ower	Propulsion		
NEW ORLEA	INS, LA	Ste	el					
UNITED STA	TES							
Place Built		Delivery I	Date K	eel Laid Date	Gross Tons	Net Tons	DWT	Length
JEFFERSON	IVILLE, IN	30Dec	2008 2	3Oct2008	R-740	R-740		R-200 0
UNITED STA	TES				•	•		
Owner LCIDDY INII ANI	ID MARINE LD			Operator	/ INI AND	MARINE LP		
	ID MARINE LP DRIVE SUITE 10	00		18350	MARKET	ST.		
HOUSTON, T	X 77007				NELVIEW D STATE	, TX 77530 S		
UNITED STAT	IES			Olville	DOINIL			
This vessel me 0 Certified Life	ust be manned v eboatmen, 0 Cer	vith the following lic tified Tankermen,	ensed ar	nd unlicensed ype Rating, a	Personnel nd 0 GMDS	. Included in wi	hich there m	nust be
0 Masters	01	icensed Mates	0 Chief En	gineers	00	ilers		
0 Chief Mates	10			istant Engineen				
0 Second Mat				Assistant Engine				
0 Third Mates				sistant Engineer	S			
0 Master First 0 Mate First 0	La Company of the Com			Engineers Member Engin	er			
	is vessel may ca	rry 0 Passengers, 0			and the same of th	ns in addition to	crew, and	no Others. Total
		itions Of Operatio	n:					
Noute I cilli								
lakes	Dayo, and O	Juliuo						
Lakes, I		the state of the s				1 - 1 - 1 - 1 - 1	tanka and C	amaballa
Also, in fai	r weather only	, not more than t	welve (	12) miles f	om shore	between St. M	darks and C	arrabelle,
Also, in fai Florida.								
Also, in fai Florida. This vessel 21(b); if th vessel must	has been grant is vessel is o be inspected u	ed a fresh water perated in salt water sing salt water	service	examination	interval	in accordance	e with 46 ve (12) mo	CFR Table 31.10- nth period, the
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### United States of America Department of Homeland Security United States Coast Guard

Certification Date: 02 Nov 2023 Expiration Date: 02 Nov 2028

### **Certificate of Inspection**

Vessel Name: KIRBY 11357

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	31Oct2028	15Oct2018	30Dec2008
Internal Structure	31Oct2028	23Oct2023	29Oct2018

#### --- 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

11066 Barrels A Yes No No

#### \*Hazardous Bulk Solids Authority\*

#### \*Loading Constraints - Structural\*

Tank Number	Max Cargo Weight per Tank (short tons)	Maximum Density (lbs/gal)
1	623	13.6
2	588	13.6
3	588	13.6

#### \*Loading Constraints - Stability\*

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
1	1407	8ft 9in	13.6	R, LBS
11	1515	9ft 3in	13.6	R, LBS
Ш	1713	10ft 2in	13.6	R, LBS

#### \*Conditions Of Carriage\*

Only those specified hazardous cargoes named in the vessel's Cargo Authority Attachment (CAA), Serial C1-1303982, dated December 6, 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.

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 C2-0802599 dated August 26, 2008 and the list of authorized cargoes on the

<sup>\*</sup>Vapor Control Authorization\*



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### **Certificate of Inspection**

Vessel Name: KIRBY 11357

CAA, Serial C1-1303982 dated December 6, 2013 and found acceptable for collection of bulk liquid cargo vapors annotated with "Yes" in the CAA's VCS column.

#### --- Inspection Status ---

\*Cargo Tanks\*

	Internal Exam	า		External Exa	am	
Tank Id	Previous	Last	Next	Previous	Last	Next
1	30Dec2008	29Oct2018	31Oct2028	-	-	-
2	30Dec2008	29Oct2018	31Oct2028	-	-	-
3	30Dec2008	29Oct2018	31Oct2028	-	-	-
			Hydro Test			
Tank Id	Safety Valve	s	Previous	Last	Next	
1	-		-	-	-	
2	•		-	-	-	
3	_		_	_	_	

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



Dated:

Certificate of Inspection

### Cargo Authority Attachment

Vessel Name: FMT 1014 Official #: 1215573

Shipyard: Jeffboat Hull #: 08-2360 C1-1303982

06-Dec-13

46 CFR 151 Tank	Group (	Chara	cterist	tics													
Tank Group Information	Cargo I	dentificat	ion		Cargo	Tanks argo		Cargo Environmental Transfer Control		Special Requirement		ments					
Trik Grp Tanks in Group	Density	Press	Temp.	Hull Typ	Seq	Туре	Vent	Gauge	Pipe Class	Cont	Tanks	Handling Space	Protection Provided	General	Materials of Construction	Elec Haz	Temp Cont
A #1-3	13.6	Atmos.	Elev	1	1ñ 2ñ	Integral Gravity	PV	Closed	II	G-1	NR	NA	Portable	50-70(a), 50-	55-1(b), (c), (e), (f), (h), (j), 56-1(a), (b), (c), (d), (e), (f), (g),	I-B	Yes

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

- 2. Under Environmental Control, Handling Space, NR means that the tank group is suitable only for those cargoes which require no environmental control in the cargo handling space. NA means that the vessel does not have a cargo control space, and this requirement is not applied
- 3. Under Electrical Hazard Class, NA means that the tank group is suitable only for those cargoes which have no electrical hazard class requirement. NR means that the vessel has no electrical equipment located in a hazardous location.

**List of Authorized Cargoes** 

Cargo Identificatio	n					Conditions of Carriage						
			:			Vapor Recovery						
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Huli 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												
Acetonitrile	ATN	37	0	С		Α	Yes	3	No	G		
Acrylonitrile	ACN	15 <sup>2</sup>	0	С	11	Α	Yes	4	.50-70(a), .55-1(e)	G		
Adiponitrile	ADN	37	0	Ε	Ħ	Α	Yes	1	No	G		
Alkyl(C7-C9) nitrates	AKN	34 <sup>2</sup>	0	NA		A	No	N/A	.50-81, .50-86	G		
Aminoethylethanolamine	AEE	8	0	E	Ш	Α	Yes	1	.55-1(b)	G		
Ammonium bisulfite solution (70% or less)	ABX	43 <sup>2</sup>	0	NA	Ш	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	H	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 <sup>2</sup>	0	С	Ш	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	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	HI	Α	Yes	1	.50-60	G		
Butyl acrylate (all isomers)	BAR	14	0	D	Ш	Α	Yes	2	.50-70(a), .50-81(a), (b)	G		
Butyl methacrylate	BMH	l 14	0	D	Ш	Α	Yes	2	.50-70(a), .50-81(a), (b)	G		
Butyraldehyde (all isomers)	BAE	19	0	С	111	Α	Yes	1	.55-1(h)	G		
Camphor oil (light)	CPO	18	0	D	H	Α	No	N/A	No	G		
Carbon tetrachloride	CBT	36	0	NA	III	Α	No	N/A	No No	G		
Caustic potash solution	CPS	5 <sup>2</sup>	0	NA	Ш	Α	No	N/A	.50-73, .55-1(j)	G		
Caustic soda solution	CSS	5 <sup>2</sup>	0	NA	111	Α	No	N/A	.50-73, .55-1(j)	G		
Chemical Oil (refined, containing phenolics)	COE	21	0	E	H	Α	No	N/A	.50-73	G		
Chlorobenzene	CRB	36	0	D	Ш	Α	Yes	1	No	G		
Chloroform	CRF	36	0	NA	III	Α	Yes	3	No	G		
Coal tar naphtha solvent	NCT	33	0	D	Ш	Α	Yes	1	50-73	G		
Coal tar pitch (molten)	CTP	33	0	Ε	111	Α	No	N/A	.50-73	G		
Creosote	CCV	V 21 <sup>2</sup>	0	E	111	Α	Yes	. 1	No	G		
Cresols (all isomers)	CRS	21	0	Ε	111	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	Ш	Α	Yes	. 1	.55-1(f)	G		
Crotonaldehyde	CTA	19 <sup>2</sup>	0	С	11	Α	Yes	4	.55-1(h)	G		
Crude hydrocarbon feedstock (containing Butyraldehydes and Ethylpropyl acrolein)	СНО	}	0	С	Ш	Α	No	N/A	No No	G		
Cyclohexanone	CCF	i 18	0	D	111	Α	Yes	. 1	.56-1(a), (b)	G		
Cyclohexanone, Cyclohexanol mixture	CYX	182	0	Ε	Ш	Α	Yes	; 1	.56-1 (b)	G		



Certificate of Inspection

### Cargo Authority Attachment

Vessel Name: FMT 1014 Official #: 1215573

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Shipyard: Jeffboat

Hull #: 08-2360

Dated:

06-Dec-13

Cargo Identification	n	·	·			Conditions of Carriage				
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	Vapor F App'd (Y or N)	Recovery VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of	Insp. Period
Cyclohexylamine	CHA	7	0	D	111	Α	Yes	1	.56-1(a), (b), (c), (g)	G
Cyclopentadiene, Styrene, Benzene mixture	CSB	30	0	D	111	Α	Yes	1	.50-60, .56-1(b)	G
iso-Decyl acrylate	IAI	14	0	E	111	Α	Yes	2	.50-70(a), .50-81(a), (b), .55-1(c)	G
Dichlorobenzene (all isomers)	DBX	36	0	E	111	Α	Yes	3	.56-1(a), (b)	G
1,1-Dichloroethane	DCH	36	0	С	111	Α	Yes	1	No	G
2,2'-Dichloroethyl ether	DEE	41	0	D	11	Α	Yes		.55-1(f)	G
Dichloromethane	DCM		0	NA	III	Α	No	N/A	No	G
2,4-Dichlorophenoxyacetic acid, diethanolamine salt solution	DDE	43	0	E	111	A	No	N/A		G
2,4-Dichlorophenoxyacetic acid, dimethylamine salt solution	DAD	0 1,2		Α	111	Α	No	N/A		G
2,4-Dichlorophenoxyacetic acid, triisopropanolamine salt solution	DTI	43 <sup>2</sup>	ō	E	Ш	A	No	N/A		G
1,1-Dichloropropane	DPB	36	ō	c	HI	A	Yes	3	No .	G
1,2-Dichloropropane	DPP	36	0	c		A	Yes		No	G
1,3-Dichloropropane	DPC	36	o	c	HI	A	Yes		No	G
1,3-Dichloropropane	DPU	15	0	D	11	A	Yes	4	No	G
Dichloropropene, Dichloropropane mixtures	DMX		0	C		Α	Yes		No	G
· · ·	DEA	8	0	E					.55-1(c)	G
Diethanolamine			_		111	A	Yes		.55-1(c)	G
Diethylamine	DEN	7	0	C	111	Α .	Yes	3		G
Diethylenetriamine	DET	7 <sup>2</sup>	0	E	111	A	Yes		.55-1(c)	
Diisobutylamine	DBU	7	0	D	111	A	Yes		.55-1(c)	G
Diisopropanolamine	DIP	8	0	Ē	Ш	Α	Yes		.55-1(c)	G
Diisopropylamine	DIA	7	0	С	Н	Α	Yes		.55-1(c)	G
N,N-Dimethylacetamide	DAC	10	0	E	111	Α	Yes	3	.56-1(b)	G
Dimethylethanolamine	DMB	8	0	D	111	Α	Yes	1	.56-1(b), (c)	G
Dimethylformamide	DMF	10	0	D		Α	Yes	1	.55-1(e)	G
Di-n-propylamine	DNA	7	0	С	ll	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	#	11	Α	No	N/A	, No	G
EE Glycol Ether Mixture	EEG	40	0	D	Ш	Α	No	N/A	No	G
Ethanolamine	MEA	8	0	Ε	Ш	Α	Yes	1	.55-1(c)	G
Ethyl acrylate	EAC	14	0	С	111	Α	Yes	2	.50-70(a), .50-81(a), (b)	G
Ethylamine solution (72% or less)	EAN	7	0	Α	11	Α	No	N/A	.55-1(b)	G
N-Ethylbutylamine	EBA	7	0	D	111	Α	Yes	3	.55-1(b)	G
N-Ethylcyclohexylamine	ECC	7	0	D		Α	Yes	1	.55-1(b)	G
Ethylene cyanohydrin	ETC	20	0	Ε	111	Α	Yes	1	No	G
Ethylenediamine	EDA	7 <sup>2</sup>	0	D	111	Α	Yes	1	.55-1(c)	G
Ethylene dichloride	EDC	36 <sup>2</sup>	0	С	111	Α	Yes	1	No	G
Ethylene glycol hexyl ether	EGH	40	0	Ε	111	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	Ε	111	Α	Yes	1	No	G
2-Ethylhexyl acrylate	EAI	14	0	Ε	III	Α	Yes	2	.50-70(a), .50-81(a), (b)	G
Ethyl methacrylate	ETM	14	0	D/E	11)	Α	Yes		.50-70(a)	G
2-Ethyl-3-propylacrolein	EPA	19 <sup>2</sup>	0	E	111	Α	Yes		No	G
Formaldehyde solution (37% to 50%)	FMS		0	D/E	111	A	Yes		.55-1(h)	G
Furfural	FFA	19	ō	D	Ш	A	Yes		.55-1(h)	G
Glutaraldehyde solution (50% or less)	GTA	19	0	NA	III	Α	No	N/A		G
Hexamethylenediamine solution	HMC		0	E		A	Yes		.55-1(c)	G
Hexamethyleneimine	HMI	7	0	C	II.	A	Yes		.56-1(b), (c)	G
r icvament/icucimine	FIRE	<b>'</b>	· · ·		!!	^	res		.50-70(a), .50-81(a), (b)	



Serial #: C1-1303982

06-Dec-13

# Certificate of Inspection

### Cargo Authority Attachment

Vessel Name: FMT 1014 Official #: 1215573

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Shipyard: Jeffboat

Hull #: 08-2360

Cargo Identification	1					Conditions of Carriage					
	*****						Vapor F	Recovery			
Name	Chem	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	(Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat'ts of	Insp. Period	
Isoprene	IPR	30	0	A	111	Α	No	N/A	.50-70(a), .50-81(a), (b)	G	
Isoprene, 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, Green, or White liquor)	KPL	5	0	NA	HI	Α	No	N/A	.50-73, .56-1(a), (c), (g)	G	
Mesityl oxide	MSC	18 <sup>2</sup>	0	D	111	Α	Yes	1	No	G	
Methyl acrylate	MAN	14	0	С	111	Α	Yes	2	50-70(a), 50-81(a), (b)	G	
Methylcyclopentadiene dimer	MCK	30	0	С	10	Α	Yes	1	No	G	
Methyl diethanolamine	MDE	8	0	Ε	111	Α	Yes	1	.56-1(b), (c)	G	
2-Methyl-5-ethylpyridine	MEP	9	0	Ε	111	Α	Yes	1	.55-1(e)	G	
Methyl methacrylate	MMN	A 14	0	С	Ш	Α	Yes	2	.50-70(a), .50-81(a), (b)	G	
2-Methylpyridine	MPR	9	0	D	Ш	Α	Yes	3	.55-1(c)	G	
alpha-Methylstyrene	MSR	30	0	D	111	Α	Yes	2	.50-70(a), .50-81(a), (b)	G	
Morpholine	MPL	72	0	D	111	Α	Yes	1	.55-1(c)	G	
Naphthalene (moiten)	NTM		0	С		Α	Yes		No	G	
Nitroethane	NTE		ō	Ď	H	A	No	N/A	.50-81, .58-1(b)	G	
	NPM		o	D	111	A	Yes		.50-81	G	
1- or 2-Nitropropane	PDE		0	A	111	A	No	N/A		G	
1,3-Pentadiene					111			N/A	•	G	
Perchloroethylene	PER		0	NA		A	No		No	G	
Phthalic anhydride (molten)	PAN		0	E	III	Α .	Yes				
Polyethylene polyamines	PEB		0	E	III	Α	Yes		.55-1(e)	G	
iso-Propanolamine	MPA		0	E	111	Α	Yes	. 1	.55-1(c)	G	
Propanolamine (iso-, n-)	PAX	8	0	Ε	111	Α	Yes	. 1	.56-1(b), (c)	G	
iso-Propylamine	IPP	7	0	Α	H	Α	No	N/A	, .55-1(c)	G	
Pyridine	PRD	9	0	С	III	Α	Yes	. 1	.\$5-1(e)	G	
Sodium acetate, Glycol, Water mixture (3% or more Sodium Hydroxide)	SAP		0		111	Α	No	N/A	.50-73, .55-1(j)	G	
Sodium aluminate solution (45% or less)	SAU	5	0	NA	111	Α	No	N/A	.50-73, .56-1(a), (b), (c)	G	
Sodium chlorate solution (50% or less)	SDD	0 1.	2 0	NA	[1]	Α	No	N/A	.50-73	G	
Sodium hypochlorite solution (20% or less)	SHC	) 5	0	NA	Ш	Α	No	N/A	.50-73, .56-1(a), (b)	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.	<sup>2</sup> O	NA	111	Α	No	N//	.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	.50-73, .55-1(b)	G	
Styrene (crude)	STX		0	D	III	Α	Yes	. 2	No	G	
Styrene monomer	STY		O	D	III	Α	Yes	; 2	.50-70(a), .50-81(a), (b)	G	
1,1,2,2-Tetrachloroethane	TEC		0	NA	111	Α	No	N//	1 No	G	
	TTP		o	E	111	A	Yes		.55-1(c)	G	
Tetraethylenepentamine	THE		0	C	111	A	Yes		,50-70(b)	G	
Tetrahydrofuran										G	
Toluenediamine	TDA		0	E	11	A	No		No.	G G	
1,2,4-Trichlorobenzene	TCE		0	E	111		Yes		.50-73, .58-1(a)	G	
1,1,2-Trichloroethane	TCN		0	NA	111	Α	Yes				
Trichloroethylene	TCL			NA -	III	A	Yes		No 70 70 440	G	
1,2,3-Trichloropropane	TCN		0	Ε	11	Α	Yes		.50-73, .56-1(a)	G	
Triethanolamine	TEA	8 <sup>2</sup>	0	E	111	Α	Yes	3 1	.55-1(b)	G	
Triethylamine	TEN	<b>↓</b> 7	0	С	11	Α	Yes	3	.55-1(e)	G	
Triethylenetetramine	TET	7 2	0	Ε	111	Α	Yes	s 1	.55-1(b)	G	
Triphenylborane (10% or less), caustic soda solution	TPE	5	0	NA	111	Α	No	N/A	Δ .56-1(a), (b), (c)	G	
Trisodium phosphate solution	TSF	5	0	NA	111	Α	No	N/A	Δ .50-73, .56-1(a), (c).	G	
Urea, Ammonium nitrate solution (containing more than 2% NH3)	UAS	S 6	0	NA	111	Α	No	N/A	Δ .56-1(b)	G	



# Certificate of Inspection

### Cargo Authority Attachment

Vessel Name: FMT 1014 Official #: 1215573

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Shipyard: Jeffboat

Hull #: 08-2360

C1-1303982

Dated:

Cargo Identification	n					Conditions of Carriage					
			1	:		Vapor Recovery					
Name	Chem	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	App'd (Y or N)		Special Requirements in 46 CFR 151 General and Mat'ls of	Insp. Period	
Vanillin black liquor (free alkali content, 3% or more).	VBL	5	0	NA	Ш	Α	No	N/A	.50-73, .56-1(a), (c), (g)	G	
Vinyl acetate	VAM	13	0	С	III	Α	Yes	2	.50-70(a), .50-81(a), (b)	G	
Vinyl neodecanate	VND	13	0	E	Ш	Α	No	N/A	.50-70(a), .50-81(a), (b)	G	
Vinyltoluene	VNT	13	0	D	III	Α	Yes	2	.50-70(a), .50-81, .56-1(a), (b), (c), (	G	
Subchapter D Cargoes Authorized for Vapor Contr											
Acetone	ACT	18 <sup>2</sup>	D	С		٨	Yes	1			
	ACP		D	E		. А А					
Acetophenone Alcohol(C12-C16) poly(1-6)ethoxylates	APU	18	D	E		Α	Yes Yes	1			
, , , , , , ,		20	D	E				1			
Alcohol(C6-C17)(secondary) poly(7-12)ethoxylates	AEB			D		A	Yes				
Amyl acetate (all isomers)	AEC	34	<u>D</u>			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		Α	Yes	1			
Butyl acetate (all isomers)	BAX	34	D	Đ		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	Đ		Α	Yes	1			
Butyl alcohol (sec-)	BAS	20 <sup>2</sup>	D	C		Α	Yes	1			
Butyl alcohol (tert-)	BAT		D	С		Α	Yes	1	t 11 och 1 och des si 11 det det des det det det det det den det en det den det en e		
Butyl benzyl phthalate	BPH	34	D	E		Α	Yes	1			
Butyl toluene	BUE	32	D	D		Α	Yes	1			
Caprolactam solutions	CLS	22	D	E		Α	Yes	1			
Cyclohexane	CHX	31	D	c		A	Yes	1			
Cyclohexanol	CHN	20	D	E		A	Yes	1			
1,3-Cyclopentadiene dimer (molten)	CPD	30	D	D/E		A	Yes	2			
p-Cymene	CMP	32	D	D		A	Yes	1			
iso-Decaldehyde	IDA	19	D	E		A	Yes	1			
	DAL	19	D	E		^		1		.,,,,	
n-Decaldehyde	DCE		D	D			Yes				
Decene		30				Α	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 <sup>2</sup>	D	D -		A	Yes	1			
ortho-Dibutyl phthalate	DPA	34	D	E		A	Yes	1			
Diethylbenzene	DEB	32	D	D		Α	Yes	1			
Diethylene glycol	DEG	40 <sup>2</sup>	D	E		Α	Yes	1			
Diisobutylene	DBL	30	D	С		Α	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	E		Α	Yes	1	1848 F 1 10 F 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		
Dioctyl phthalate	DOP	34	D	E		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	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	Ε		Α	Yes	1			
Distillates: Straight run	DSR	33	D	E		Α	Yes	1			



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# Certificate of Inspection

Cargo Authority Attachment

Vessel Name: FMT 1014 Official #: 1215573

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Shipyard: Jeffboat

Hull #: 08-2360

Cargo Identification	on					Conditions of Carriage					
						Vapor Recovery					
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	App'd (Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of	Insp. Period	
Dodecene (all isomers)	DOZ	30	D	D		Α	Yes	1			
Dodecylbenzene, see Alkyl(C9+)benzenes	DDB	32	D	E		Α	Yes	1			
2-Ethoxyethyl acetate	EEA	34	D	D		Α	Yes	1			
Ethoxy triglycol (crude)	ETG	40	D	Ε		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 <sup>2</sup>	D	С		Α	Yes	1			
Ethylbenzene	ETB	32	D	С		Α	Yes	1			
Ethyl butanol	EBT	20	D	D		Α	Yes	1			
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	Ε		Α	Yes	1			
Ethylene glycol butyl ether acetate	EMA	34	D	E		Α	Yes	1			
Ethylene glycol diacetate	EGY	34	D	E		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	C		A	Yes	1			
	ETE	32	D	D		A	Yes	1			
Ethyl toluene	FAM	10	D	E		A	Yes	1			
Formamide  Furfixed steeled	FAL	20 <sup>2</sup>	D	E		Ā	Yes	1			
Furfuryl alcohol	GAK	33	D	A/C		Α	Yes	1			
Gasoline blending stocks: Alkylates	GRF			A/C							
Gasoline blending stocks: Reformates		33 33	D D	C		A	Yes Yes	1			
Gasolines: Automotive (containing not over 4.23 grams lead per gallon)	GAT	33	 D			. A		, 			
Gasolines: Aviation (containing not over 4.86 grams of lead per gallon)	GAV						Yes	·			
Gasolines: Casinghead (natural)	GCS	33	D	A/C		A	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 <sup>2</sup>	D	E		Α	Yes	1			
Heptane (all isomers), see Alkanes (C6-C9) (all isomers)	HMX	31	D	С		Α	Yes	1			
Heptanoic acid	HEP	4	D	Ε		Α	Yes	1			
Heptanol (all isomers)	HTX	20	D	D/E		Α	Yes	1			
Heptene (all isomers)	HPX	30	D	С		Α	Yes	2			
Heptyl acetate	HPE	34	D	E		Α	Yes	1			
Hexane (all isomers), see Alkanes (C6-C9)	HXS	31 <sup>2</sup>	D	B/C		Α	Yes	1			
Hexanoic acid	HXO	4	D	E		Α	Yes	1			
Hexanol	HXN	20	D	D		Α	Yes	1			
Hexene (all isomers)	HEX	30	D	С		Α	Yes	2			
Hexylene glycol	HXG	20	D	E		Α	Yes	1			
Isophorone	IPH	18 <sup>2</sup>	D	Ε		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		D	С		Α	Yes				
Methylamyl acetate	MAC		D	Đ		Α	Yes				



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# Certificate of Inspection

### Cargo Authority Attachment

Vessel Name: FMT 1014 Official #: 1215573

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Shipyard: Jeffboat Hull #: 08-2360

Cargo Identifica	ition					Conditions of Carriage					
	:		:	:		Vapor Recovery					
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Huli Type	Tank Group	App'd (Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of	Insp. Period	
Methylamyl alcohol	MAA	20	D	D		Α	Yes	1			
Methyl amyl ketone	MAK	18	D	D		Α	Yes	1			
Methyl tert-butyl ether	MBE	41 <sup>2</sup>	D	С		Α	Yes	1			
Methyl butyl ketone	MBK	18	Ð	С		Α	Yes	1			
Methyl butyrate	MBU	34	D	С		Α	Yes	1			
Methyl ethyl ketone	MEK	18 <sup>2</sup>	D	С		Α	Yes	1			
Methyl heptyl ketone	MHK	18	D	D	.,	Α	Yes	1			
Methyl isobutyl ketone	MIK	18 <sup>2</sup>	D	С		Α	Yes	1		****** . * *	
Methyl naphthalene (molten)	MNA	32	D	Ε		Α	Yes	1	**************************************		
Mineral spirits	MNS	33	D	D		Α	Yes	1			
Myrcene	MRE	30	D	D		Α	Yes	1			
Naphtha: Heavy	NAG	33	D	#		Α	Yes	1			
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	C		A	Yes	1			
Nonane (all isomers), see Alkanes (C6-C9)	NAX	31	D	D		A	Yes	, 1			
Nonene (all isomers)	NON	30	D	D	,,.,	Α	Yes	2			
•	NNS	20 <sup>2</sup>	D	E		A	Yes	1			
Nonyl alcohol (all isomers)	NNP			E		A		, 1			
Nonyl phenol		21	D	E			Yes	-			
Nonyl phenol poly(4+)ethoxylates	NPE	40	D			A	Yes	1			
Octane (all isomers), see Alkanes (C6-C9)	OAX	31	D	C		Α	Yes	1			
Octanoic acid (all isomers)	OAY	4	D	. E		Α	Yes	1	et a material de determination de la companya della companya della companya della companya de la companya della		
Octanol (all isomers)	OCX	20 <sup>2</sup>	D	E		Α	Yes	1			
Octene (all isomers)	ОТХ	30	D	С		Α	Yes	2			
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			
Oii, 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	Ð	C/D		Α	Yes	1			
Oil, misc: Diesel	ODS	33	Đ	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		Α	Yes	1			
alpha-Pinene	PIO	30	D	D		Α	Yes	1			
beta-Pinene	PIP	30	D	D		Α	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		Α	Yes	1			
Polybutene	PLB	30	D	E		Α	Yes	1			
Polypropylene głycol	PGC	40	D	E		Α	Yes	1			
iso-Propyl acetate	IAC	34	D	C		A	Yes	1			
n-Propyl acetate	PAT	34	D	C		Α	Yes	1			
iso-Propyl alcohol	IPA	20 <sup>2</sup>	D	C		A	Yes	1			
n-Propyl alcohol	PAL	20 <sup>2</sup>	D	C		A	Yes	1			
Propylbenzene (all isomers)	PBY	32	D	D		A	Yes	1			



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Cargo Authority Attachment

Vessel Name: FMT 1014 Official #: 1215573

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Shipyard: Jeffboat Hull #: 08-2360

Cargo Identification						Conditions of Carriage				
	· · · · · · · · · · · · · · · · · · ·			: : :		Vapor Recovery				
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	(A ot N) Vbb,q	VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of	Insp. Period
iso-Propylcyclohexane	IPX	31	D	D		Α	Yes	1	· · · · · · · · · · · · · · · · · · ·	·····
Propylene glycol	PPG	20 <sup>2</sup>	Ð	Ε		Α	Yes	1		
Propylene glycol methyl ether acetate	PGN	34	D	D		Α	Yes	1		
Propylene tetramer	PTT	30	D	D		Α	Yes	1		
Sulfolane	SFL	39	D	E		Α	Yes	1		
Tetraethylene glycol	TTG	40	D	E		Α	Yes	1		
Tetrahydronaphthalene	THN	32	D	E		Α	Yes	1		
Toluene	TOL	32	D	С		Α	Yes	1	***************************************	
Tricresyl phosphate (less than 1% of the ortho isomer)	TCP	34	D	E		Α	Yes	1		
Triethylbenzene	TEB	32	D	Ε		Α	Yes	1		
Triethylene glycol	TEG	40	D	E		Α	Yes	1		
Triethyl phosphate	TPS	34	D	E		Α	Yes	1		
Trimethylbenzene (all isomers)	TRE	32	D	{D}		Α	Yes	1		
Trixylenyi phosphate	TRP	34	D	E		Α	Yes	1		
Undecene	UDC	30	D	D/E		Α	Yes	1		
1-Undecyl alcohol	UND	20	D	Ε		Α	Yes	1		
Xylenes (ortho-, meta-, para-)	XLX	32	D	D		Α	Yes	1		



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Cargo Authority Attachment

Vessel Name: FMT 1014 Official #: 1215573

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Shipyard: Jeffboat

Hull #: 08-2360

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

Cargo Identification

The proper shipping name as listed in 46 CFR Table 30.25-1, 46 CFR Table 151.05, and 46 CFR Part 153 Table 2.

Chem Code

The three letter designation assigned to the cargo in the Chemical Hazards Response Information System (CHRIS) Manual

Certain mixtures of cargoes may not have a CHRIS Code assigned none

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 Commandani (CG-3PSO-3), U.S. Coast Guard, 2100 Second Street, SW, Washington, DC 20593-0001. Telephone

Note 2

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

Subchapter Subchapter D Note 3

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

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

A, B, C 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

Huli Type

NA

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 sufficeint 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

Tank Group Vapor Recoven 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 156.120,

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 compty 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 (High vapor pressure and polymerizes) Must comply with requirements of Categories 1, 2 and 5

Category 7

none

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