

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

Certification Date: 16 May 2023 **Expiration Date:** 16 May 2028

# Certificate of Inspection

Vested Number Official Number (ALG Super Service)  KIRBY 10262 1246443 Tank Barge  1246444 Tank Barge  12464444 Tank Barge  1246444 Tank Barge  1246444 Tank Barge  1246444 Tank Barge  12								
WILMINGTON, DE  Steel  Steel  WILMINGTON, DE  Steel  WILMINGTON, DE  Steel  Steel  WILMINGTON, DE  Steel  Steel  Steel  WILMINGTON, DE  Steel  St	Vessel Name		Official Number	IMO Num	ber	Call Sign	Service	
UNITED STATES  Delivery Date Keet Laid Date Gross Tone Net Tons DWT Length Ashland City, TN 28May2013 13May2013 R.705 R.705 R.2000 R.20	KIRBY 10262		1246443				Tank E	Barge
UNITED STATES  Place Built  Delivery Date Keet Laid Date Gross Tors Nat Tor	Hailing Port		Hull Material	Hors	epower	Propulsion		
Ashland City, TN  28May2013  13May2013  R.705  R.705  R.705  R.705  R.200.  R.200. R.	WILMINGTON, DE			11010	opome:	т торигот		
Ashland City, TN  28May2013 13May2013  Ratios	UNITED STATES							
UNITED STATES  Operator KIRBY INLAND MARINE LP STORMAND MARINE LP STATES  This vessel must be manned with the following licensed and unlicensed Personnel. Included in which there must be O Certified Lifeboatmen, 0 Certified Tankermen, 0 HSC Type Rating, and 0 GMDSS Operators.  O Masters O Chief Mates O Chief Mates O Second Mates O Master First Class Pilot O Ordinary Seamen O Mater First Class Pilot O Ordinary Seamen O Licensed Engineers O Mater First Class Pilot O Ordinary Seamen O Licensed Engineers O Mater First Class Pilot O Ordinary Seamen O Licensed Engineers O Mater First Class Pilot O Ordinary Seamen O Licensed Engineers O Mater First Class Pilot O Ordinary Seamen O Licensed Engineers O Mater First Class Pilot O Ordinary Seamen O Licensed Engineers O Mater First Class Pilot O Ordinary Seamen O Licensed Engineers O Mater First Class Pilot O Ordinary Seamen O Licensed Engineers O Mater First Class Pilot O Ordinary Seamen O Licensed Engineers O Mater First Class Pilot O Ordinary Seamen O Licensed Engineers O Mater First Class Pilot O Ordinary Seamen O Licensed Engineers O Mater First Class Pilot O Ordinary Seamen O Licensed Engineers O Mater First Class Pilot O Ordinary Seamen O Licensed Engineers O Mater First Class Pilot O Ordinary Seamen O Licensed Engineers O Mater First Class Pilot O Ordinary Seamen O Licensed Engineers O Mater First Class Pilot O Ordinary Seamen O Licensed Engineers O Mater First Class Pilot O Ordinary Seamen O Licensed Engineers O Mater Engineers O Mater First Class Pilot O Ordinary Seamen O Licensed Engineers O College In Class Pilot O Ordinary Seamen O Licensed Engineers O Dilets O Ordinary Seamen O Licensed Engineers O Ordinary Seamen O Ordinary Seamen O Ordinary Seam	Place Built		Delivery Date	Keel Laid Date	Gross Tons	Net Tons	DWT	Length
UNITED STATES  Coperator  KIRBY INLAND MARINE LP  STANL SAND MARINE LP  STANL SEEL HAS BEEN GRANTED A FRESH WATER SERVICE EXAMINATION INTERVAL IN ACCORDANCE WITH 17S TANK BARGE FOR ADDITIONAL CERTIFICATE INFORMATION ***  UNITED STATES  Channelview, TX 77530  UNITED STATES  This vessel must be manned with the following licensed and unilcensed Personnel. Included in which there must be 0 Certified Lifeboatmen, 0 Certified Tankermen, 0 HSC Type Rating, and 0 GMDSS Operators.  O Masters  O Chief Mates  O Chief Mates  O First Class Pilots  O First Assistant Engineers  O Chief Mates  O Able Seamen  O Third Assistant Engineers  O Mater First Class Pilots  O Mater First Class Pilots  O Deckhands  O Qualified Member Engineer  O Mater First Class Pilots  O Deckhands  O Qualified Member Engineer  O Mater First Class Pilots  O Deckhands  O Qualified Member Engineer  ULicensed Engineers  O Mater First Class Pilots  O Mater First Class Pilots  O Ordinary Seamen  O Licensed Engineers  O Mater First Class Pilots  O Persons in addition to crew, and no Others. Tother Persons allowed: 0  Route Permitted And Conditions Of Operation:	Ashland City, TN		28May2013	13May2013	R-705	R-705		R-200.0
KIRBY INLAND MARINE LP  55 WAUGH DRIVE STE 1000 HOUSTON, TX 77007 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.  O Masters 0 Licensed Mates 0 First Class Pilots 0 First Class Pilots 0 First Class Pilots 0 Radio Officers 0 Second Mates 0 Able Seamen 0 Third Assistant Engineers 0 Master First Class Pilot 0 Ordinary Seamen 0 Master First Class Pilot 0 Ordinary Seamen 0 Mater First Class Pilot 0 Deckhands 0 United And Engineers 0 Master First Class Pilot 0 Deckhands 0 United Mater Persons in Crew, 0 Persons in addition to crew, and no Others. Tothersons allowed: 0  Route Permitted And Conditions Of Operation: Lakes, Bays, and Sounds plus Limited Coastwise  LIMITED COASTWISE SERVICE: IN SEAS OF LESS THAN THREE (03) FEET, WIND LESS THAN TWENTY (20) KNOTS AND CLEAR VISIBILITY, NOT MORE THAN TWELVE (12) MILES FROM SHORE BETWEEN ST. MARKS AND CARRABELLE, FLORIDA.  LIMITED COASTWISE SERVICE: IN SEAS OF LESS THAN THREE (03) FEET, WIND LESS THAN THENTY (20) KNOTS AND CLEAR COASTWISE SERVICE: IN SEAS OF LESS THAN THREE SHOULD BE DIRECTED TO THE OWN HOUSTON-GALVESTON ACTION PLAN (TAP). INSPECTION ACTIVITIES ABOARD THIS BARGE SHALL BE CONDUCTED IN ACCORDANCE NITH ITS TANK BARGE STREAMLINED INSPECT THIS TANK BARGE IS PARTICIPATION IN THE BIGHTH-NINTH COAST GUARD DISTRICT'S TANK BARGE STREAMLINED INSPECTION PLAN (TAP). INSPECTION ACTIVITIES ABOARD THIS BARGE SHALL BE CONDUCTED IN ACCORDANCE NITH ITS TANK BARGE STREAMLINED INSPECTION PLAN (TAP). INSPECTION ACTIVITIES ABOARD THIS BARGE SHALL BE CONDUCTED IN ACCORDANCE NITH ITS TANK BARGE SHOULD BE DIRECTED TO THE OWN HOUSTON-GALVESTON ACTION PLAN (TAP). INSPECTION ACTIVITIES ABOARD THIS BARGE SHOULD BE DIRECTED TO THE OWN HOUSTON-GALVESTON ACTIVITIES ABOARD THIS BARGE SHOULD BE DIRECTED TO THE OWN HOUSTON-GALVESTON ACTIVITIES ABOARD THIS BARGE SHOULD BE DIRECTED TO THE OWN HOUSTON-GALVESTON ACTIVITIES AB	UNITED STATES		Zowayzoro		+	-		1-0
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0 Chief Mates 0 Chief Mates 0 First Class Pilots 0 First Assistant Engineers 0 Second Mates 0 Radio Officers 0 Second Assistant Engineers 0 Third Mates 0 Able Seamen 0 Third Massistant Engineers 0 Third Massistant Engineers 0 Able Seamen 0 Third Massistant Engineers 0 Able Seamen 0 Other Assistant Engineers 0 Master First Class Pilots 0 Ordinary Seamen 0 Licensed Engineers 0 Mater First Class Pilots 0 Deckhands 0 Qualified Member Engineer  In addition, this vessel may carry 0 Passengers, 0 Other Persons in crew, 0 Persons in addition to crew, and no Others. Tot Persons allowed: 0  Route Permitted And Conditions Of Operation:Lakes, Bays, and Sounds plus Limited CoastwiseLakes, Bays, and Sounds plus Limited Coastwise  LIMITED COASTWISE SERVICE: IN SEAS OF LESS THAN THREE (03) FEET, WIND LESS THAN TWENTY (20) KNOTS AND CLEAR VISIBILITY, NOT MORE THAN THELVE (12) MILES FROM SHORE BETWEEN ST. MARKS AND CARRABELLE, FLORIDA.  THIS TANK BARGE IS PARTICIPATING IN THE EIGHTH-NINTH COAST GUARD THAT THE THIRT CT'S TANK BARGE STREAMLINED INSPECTION ACTIVITIES ABOARD THIS BARGE SHALL BE CONDUCTED IN ACCORDANCE WITH ITS TANK BARGE SHOULD BE DIRECTED TO THE OCMI HOUSTON-GALVESTON ACTIVITIES ABOARD THIS BARGE SHOULD BE DIRECTED TO THE OCMI HOUSTON-GALVESTON PLAN (TAP). INSPECTION ISSUES CONCERNING THIS BARGE SHOULD BE DIRECTED TO THE OCMI HOUSTON-GALVESTON TEXAS  THIS VESSEL HAS BEEN GRANTED A FRESH WATER SERVICE EXAMINATION INTERVAL IN ACCORDANCE WITH 46 CFR TABLE  ***SEE NEXT PAGE FOR ADDITIONAL CERTIFICATE INFORMATION***  With this Inspection for Certification having been completed at Houma, LA, UNITED STATES, the Officer in Charge, Marin Inspection, Houma, Louisiana certified the vessel, in all respects, is in conformity with the applicable vessel inspection laws Inspection, Houma, Louisiana certified the vessel, in all respects, is in conformity with the applicable vessel inspection laws Inspection, Houma, Louisiana certified the vessel, in all respects, is in conformity with the applicable vessel inspection	This vessel must be man	nned with the fo	llowing licensed kermen, 0 HSC	and unlicense Type Rating,	ed Personne and 0 GMD	el. Included in woods Operators.	vhich there m	nust be
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0 Master First Class Pilots 0 Ordinary Seamen 0 Licensed Engineers 0 Mate First Class Pilots 0 Deckhands 0 Qualified Member Engineer  In addition, this vessel may carry 0 Passengers, 0 Other Persons in crew, 0 Persons in addition to crew, and no Others. Tothersons allowed: 0  Route Permitted And Conditions Of Operation:Lakes, Bays, and Sounds plus Limited Coastwise  Limited Coastwise Service: In Seas of Less than three (03) Feet, wind Less than twenty (20) knots and Clear Visibility, not more than twelve (12) Miles From Shore Between St. Marks and Carrabelle, Florida. Visibility, not more than twelve (12) Miles From Shore Between St. Marks and Carrabelle, Florida. Visibility, not more than twelve (12) Miles From Shore Between St. Marks and Carrabelle, Florida. Visibility, not more than twelve (12) Miles From Shore Between St. Marks and Carrabelle, Florida. Visibility, not more than twelve (12) Miles From Shore Between St. Marks and Carrabelle, Florida. Visibility, not more than twelve (12) Miles From Shore Between St. Marks and Carrabelle, Florida. Visibility, not more than twelve (12) Miles From Shore Between St. Marks and Carrabelle, Florida. Visibility, not more than twelve (12) Miles From Shore Between St. Marks and Carrabelle, Florida. Visibility, not more than twelve (12) Miles From Shore Between St. Marks and Carrabelle, Florida. Visibility, not more than twelve (12) Miles From Shore Between St. Marks and Carrabelle, Florida. Visibility, not more than twenty (20) knots and clear the New York and Carrabelle, Florida. Visibility, not more than twenty (20) knots and crew, and no Others. Total Lease than twenty (20) knots and nothing the New York and Carrabelle, Florida. Visibility, not more than twenty (20) knots and crew, and no Others. Total Lease Lease (12) knots and crew, and no Others. Total Lease (13) knots and crew, and no Others. Total Lease (13) knots and crew, and no Others. Total Lease (13) knots and crew, and no Others. Total Lease (13) knots and crew, and no Others. Total Lease (13) knot		0 Radio Office	ers 0 Secon	nd Assistant Eng	ineers			
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***SEE NEXT PAGE FOR ADDITIONAL CERTIFICATE INFORMATION***  ***SEE NEXT PAGE FOR ADDITIONAL CERTIFICATE INFORMATION***  With this Inspection for Certification having been completed at Houma, LA, UNITED STATES, the Officer in Charge, Marin Inspection, Houma, Louisiana certified the vessel, in all respects, is in conformity with the applicable vessel inspection laws Inspection, Houma, Louisiana certified the vessel, in all respects, is in conformity with the applicable vessel inspection laws Inspection    Annual/Periodic/Re-Inspection    Date	THIS TANK BARGE IS PAPER PROGRAM (TBSIP). INSTACTION PLAN (TAP). IN	ARTICIPATING I PECTION ACTIVI NSPECTION ISSU	N THE EIGHTH-N TIES ABOARD TH ES CONCERNING	NINTH COAST OF THIS BARGE SHA	GUARD DISTE ALL BE CONI SHOULD BE I	RICT'S TANK BA DUCTED IN ACCO DIRECTED TO TH	RGE STREAMI RDANCE WITH IE OCMI HOUS	ITS TANK BARGE TON-GALVESTON,
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With this Inspection for Certification having been completed at Houma, LA, ONT ED TO THE PROPERTY OF THE PROPE	***SEE NEXT PAGE	FOR ADDITIO	NAL CERTIFI	CATE INFOR	RMATION*		ho Office le	Charge Marine
the rules and regulations prescribed the reduction  Annual/Periodic/Re-Inspection  Date  Zone  A/P/R  Signature  This certificate issued by:  L. D. BACON, EDR USCG, By Direction  Officer in Charge, Marine Inspection	With this Inspection for	Certification have	ing been complethe vessel, in all	eted at Houm respects, is in	a, LA, UNIT conformity	with the applica	able vessel in	enarge, warne
Date Zone A/P/R Signature  Officer in Charge, Marine Inspection	the rules and regulation	s prescribed the	spection		This certific	ab iscued hy	A	
C CO C HOURIA, LOUISIANA	Date		The second secon	costc	Officer in Charge,	Marine Inspection		
Inspection Zone	CICOLCT BINI		J			Houm	a, Louisiana	

Dept. of Home Sec., USCG, CG-841 (Rev 4-2000)(2)

OMB No. 2115-0517



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

16 May 2023 Certification Date: **Expiration Date:** 16 May 2028

### Certificate of Inspection

Vessel Name: KIRBY 10262

31.10-21(b); IF THIS VESSEL IS OPERATED IN SALT WATER MORE THAN SIX (6) MONTHS IN ANY TWELVE (12) MONTH PERIOD, THE VESSEL MUST BE INSPECTED USING SALT WATER INTERVALS PER 46 CFR TABLE 31.10-21(a) AND THE COGNIZANT OCMI NOTIFIED IN WRITING AS SOON AS THIS CHANGE IN STATUS OCCURS.

### ---Hull Exams---

Exam Type

**Next Exam** 

Last Exam

Prior Exam

DryDock

31Jul2028

18Jul2018

28May2013

Internal Structure

31May2028

16May2023

18Jul2018

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

Authorization:

FLAMMABLE/COMBUSTIBLE LIQUIDS AND SPECIFIED HAZARDOUS CARGOES

**Total Capacity** 

Highest Grade Type Part151 Regulated Part153 Regulated Part154 Regulated

10300

Units Barrels

No

\*Hazardous Bulk Solids Authority\*

Not Authorized

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

Tank Number	Max Cargo Weight per Tank (short tons)	Maximum Density (lbs/gal)
1C	600	13.6
2C	553	13.6
3C	550	13.6

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

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
l n	1407	8ft 9in	13.6	R, LBS, LC 0-12
101	1622	9ft 9in	13.6	R, LBS, LC 0-12

#### \*Conditions Of Carriage\*

ONLY THOSE HAZARDOUS CARGOES NAMED IN THE VESSEL'S CARGO AUTHORITY ATTACHMENT, SERIAL NO. C1-1301371 DATED 01 MAY 2013, MAY BE CARRIED AND THEN ONLY IN THE TANKS INDICATED, SUBJECT TO THE LOADING CONSTRAINTS OF THE VESSEL'S CURRENT STABILITY LETTER.

PER 46 CFR 150.130, THE PERSON IN CHARGE OF THE BARGE IS RESPONSIBLE FOR ENSURING THAT THE COMPATIBILITY REQUIREMENTS OF 46 CFR 150 ARE MET. CARGOES MUST BE CHECKED FOR COMPATIBILITY USING THE FIGURES, TABLES, AND APPENDICES OF 46 CFR 150 IN CONJUNCTION WITH THE REACTIVE GROUP NUMBER FROM THE "COMPATIBILITY GROUP NO." 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 U.S. CODE OF FEDERAL REGUALTIONS PART 197, SUBPART C ARE APPLIED.

#### \*VAPOR CONTROL AUTHORIZATION\*

IN ACCORDANCE WITH 46 CFR PART 39, EXCLUDING PART 39.4000, THIS VESSEL'S VAPOR CONTROL SYSTEM HAS BEEN INSPECTED TO THE PLANS APPROVED BY MARINE SAFETY CENTER LETTERS SERIAL NO. C1-1301371 DATED 01 MAY 2013, AND FOUND ACCEPTABLE FOR COLLECTION OF BULK LIQUID CARGO VAPORS ANNOTATED WITH "YES" IN THE CAA'S VCS COLUMN

\*STABILITY AND TRIM\*



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

Certification Date: 16 May 2023 Expiration Date: 16 May 2028

### Certificate of Inspection

Vessel Name: KIRBY 10262

PER 46 CFR 151.10-15(c)(2) THE MAX TANK WEIGHTS LISTED BELOW REFLECT UNIFORM (WITHIN 5%) LOADING AT THE DEEPEST DRAFT ALLOWED. WHEN CARRYING SUBCHAPER "O" CARGOES AT SHALLOWER DRAFTS, THE BARGE(S) SHOULD ALWAYS BE LOADED UNIFORMLY.

THE MAXIMUM DESIGN DENSITY OF CARGO WHICH MAY BE FILLED TO THE TANK TOP IS 9.99 LBS/GAL. CARGOES WITH HIGHER DENSITIES, UP TO 13.57 LBS/GAL, MAY BE CARRIED AS SLACK LOADS, BUT SHALL NOT EXCEED THE TANK WEIGHT LIMITS AS LISTED ABOVE.

### --- Inspection Status ---

\*Fuel Tanks\*

Internal Examinations

Tank ID

Previous Last

Next

fwd//machinery deck

28May2013 -

### \*Cargo Tanks\*

	Internal Exam			External Exam	l .	
Tank id	Previous	Last	Next	Previous	Last	Next
1C	28May2013	18Jul2018	31Jul2028	-	-	-
2C	28May2013	18Jul2018	31Jul2028	-	-	_
3C	28May2013	18Jul2018	31Jul2028	-	-	-
			Hydro Test			
Tank Id	Safety Valves		Previous	Last	Next	
1C	-		•	28May2013	-	
2C	-		-	28May2013	-	
3C	-		-	28May2013	-	

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



C1-1301371

01-May-13

# Certificate of Inspection

Cargo Authority Attachment

Vessel Name: KIRBY 10262 Official #: 1246443

Shipyard: Trinity Marine

Hull #: 4914

Tank Group Information	Cargo I	dentificati	ion		Cargo		Tanks		Carg		Enviror Control	mental	Fire	Special Require	ments		
Tnk Grp Tanks in Group	Density	Press.	Temp.	Hull Typ	Seg	-	Vent	Gauge	Pipe Class	Cont	Tanks	Handling Space	Protection Provided	General	Materials of Construction	Elec Haz	Temp
A #1C,#2C,#3C	13.6	Atmos.	Elev	II	1ii 2ii	Integral Gravity	PV	Closed	П	G-1	NR	NA	Portable	.50-60, .50-70(a), .50-70(b), .50-73, .50-81(a), .50- 81(b),	55-1(b), (c), (e), (f), (h), (j), 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 Identification	on					E1 W		Condi	tions of Carriage	
	120	8 0	3 5				Vapor R			
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	(Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of	Insp. Period
uthorized Subchapter O Cargoes										
Acetonitrile	ATN	37	0	С	Ш	Α	Yes	3	No	G
Acrylonitrile	ACN	15 <sup>2</sup> .	0	С	H	Α	Yes	4	.50-70(a), .55-1(e)	G
Adiponitrile	ADN	37	0	E	II.	Α	Yes	1	No	G
Alkyl(C7-C9) nitrates	AKN	34 2	0	NA	111	Α	No	N/A	.50-81, .50-86	G
Aminoethylethanolamine	AEE	8	0	. E	111	Α	Yes	1	.55-1(b)	G
Ammonium bisulfite solution (70% or less)	ABX	43 2	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	Ш	Α	No	N/A	.56-1(a), (b), (c), (f), (g)	G
Anthracene oil (Coal tar fraction)	AHO	33	0	NA	П	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)	BHB	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	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	111	Α	Yes	1	.50-60	G
Butyl acrylate (all isomers)	BAR	14	0	D	H	Α	Yes	2	.50-70(a), .50-81(a), (b)	G
Butyl methacrylate	вмн	14	0	D	111	Α	Yes	2	.50-70(a), .50-81(a), (b)	G
Butyraldehyde (all isomers)	BAE	19	0	С	111	A	Yes	1	.55-1(h)	· G
Camphor oil (light)	CPO	18	0	D	- 0	Α	No	N/A	No	G
Carbon tetrachloride	CBT	36 .	0	NA	111	Α	No	N/A	No	G
Caustic potash solution	CPS	5 2	0	NA	III	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)	COD	21	0	Ε.	П	Α	No	N/A	.50-73	G
Chlorobenzene	CRB	36	0	D	111	A	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
Coal tar pitch (molten)	CTP	33	0	E	III	Α	No	N/A	.50-73	G
Creosote	ccw	21 2	0	Е	Ш	Α	Yes	1	No	G
Cresols (all isomers)	CRS	21	0	E	III	Α	Yes	1	No	G
Cresylate spent caustic	csc	5	0	NA	111	A	No	N/A	.50-73, .55-1(b)	G
Cresylic acid tar	CRX		0	Е	m	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)	CHG		0	С	111	Α	No	N/A	No · ·	G
Violehovenene	ССН	18	0	D	Ш	Α	Yes	1	.56-1(a), (b)	G
Cyclohexanone										

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

<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

Vessel Name: KIRBY 10262 Official #: 1246443

Page 2 of 8

Shipyard: Trinity Marine

Cargo Identificatio	n		7	*1		Conditions of Carriage						
·	-		12000000000	8	(0.000)	W.S	Vapor R	Recovery				
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		
Cyclohexylamine	CHA	7	0	D	III	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	Е	Ш	Α	Yes	2	.50-70(a), .50-81(a), (b), .55-1(c)	G		
Dichlorobenzene (all isomers)	DBX	36	0	E	Ш	А	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	H	Α	Yes	1	.55-1(f)	G		
Dichloromethane	DCM	36	0	NA	111	Α	Yes	5	No	G		
2,4-Dichlorophenoxyacetic acid, diethanolamine salt solution	DDE	43	0	Е	111	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	E	Ш	Α	No	N/A	.56-1(a), (b), (c), (g)	G		
1,1-Dichloropropane	DPB	36	0	С	Ш	Α	Yes	3	No	G		
1,2-Dichloropropane	DPP	36	0	С	111	A	Yes	3	No	G		
1,3-Dichloropropane	DPC	36	0	C		A	Yes	3	No	- G		
1,3-Dichloropropene	DPU	15	0	D	-0	A	Yes	4	No	G		
Dichloropropene, Dichloropropane mixtures	DMX	15	0	С	- "	A	Yes	1	No	G		
Diethanolamine	DEA	8	0	E	<u>"</u>	A	Yes	1	.55-1(c)	G		
Diethylamine	DEN	7	0	- c	III	A	Yes	3	.55-1(c)	- G		
Diethylenetriamine	DET	7 2		 E	111	A			.55-1(c)			
Diisobutylamine	DBU	7	0	D :	- III		Yes	1	.55-1(c)	G		
Diisopropanolamine	DIP	8	0	E		A	Yes	3		G		
Diisopropylamine	DIA	7	0		111	A .	Yes	1	.55-1(c)	G		
N,N-Dimethylacetamide.	DAC	10	0	C	11	A	Yes	3	.55-1(c)	G		
Dimethylethanolamine	DMB		. 0	-	- 111	Α.	Yes	. 3	.56-1(b)	G		
Dimethylformamide	DMF	10		D -	111	Α .	Yes	1	.56-1(b), (c)	G		
Di-n-propylamine		150	0	D		A	Yes	1	.55-1(e)	G		
Dodecyldimethylamine, Tetradecyldimethylamine mixture	DNA	7	0	C	, II	A	Yes	3	.55-1(c)	G		
	DOT	7	. 0	E	111	Α	No	N/A	.56-1(b)	G		
Dodecyl diphenyl ether disulfonate solution EE Glycol Ether Mixture		43	0 .	#	- 11	Α	- No	N/A	No	G		
Ethanolamine	EEG	40	0	D	Ш	Α	No	N/A	No	G		
Ethyl acrylate	MEA	8	_ 0	E	III	A	Yes	1	.55-1(c)	G		
	EAC	14	0	C	111	Α	Yes	2	.50-70(a), .50-81(a), (b)	G		
Ethylamine solution (72% or less)	EAN	7	0	Α .	- 11	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	Ď	111	A	Yes	1	.55-1(b)	G		
Ethylene cyanohydrin	ETC	20	0	Ε	ill	Ą	Yes	1	No	G		
Ethylenediamine	EDA	7 2	Ó	D	Ш	A	Yes	1	.55-1(c)	G		
Ethylene dichloride	EDC	36 2	0	С	Ш	Α	Yes	1	No	G		
Ethylene glycol hexyl ether	EGH	40	- 0	E	Ш	Α	No	N/A	No	G		
Ethylene glycol monoalkyl ethers	EGC	. 40	0	D/E	Ш	Α	Yes	1	No	G		
Ethylene glycol propyl ether	EGP	40	Ö	Ē	III	A	Yes	1	No	G		
2-Ethylhexyl acrylate	EAI	14	0	Ę	ili	À	Yes	2	.50-70(a), .50-81(a), (b)	G		
Ethyl methacrylate	ETM	14	O	D/E	Ш	Α	Yes	2	.50-70(a)	G		
2-Ethyl-3-propylacrolein	EPA	19 <sup>2</sup>	0	E	)[]	Α	Yes	1	No	G		
Formaldehyde solution (37% to 50%)	FMS	19 2	0	D/E	Ш	Α	Yes	1	.55-1(h)	G		
Furfural	FFA	19	0	D	111	Α	Yes	1	.55-1(h)	G		
Glutaraldehyde solution (50% or less)	GTA	19	0	NA	111	Α	No	N/A	No	G		
Hexamethylenediamine solution	HMC	7	0	∜E	1111	A	Yes	te <b>1</b> 55	.55-1(c)	G		
	100000		1000			93	vv ==00000 <del>1</del> 0	16.				
-lexamethyleneimine	HMI	7	0	C	11	Α	Yes	1	.56-1(b), (c)	G		

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



Serial #: C1-1

01-May-13

# Certificate of Inspection

Cargo Authority Attachment

Vessel Name: KIRBY 10262 Official #: 1246443

Page 3 of 8

Shipyard: Trinity Marine

Cargo Identification	l			-05		Conditions of Carriage						
8 9						i.e	Vapor R	ecovery				
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'ls of	Insp. Period		
Isoprene	IPR	30	0	Α	III	Α	Yes	7	.50-70(a), .50-81(a), (b)	G		
Isoprene, Pentadiene mixture	IPN	es .	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	. • 111	Α	No	N/A	.50-73, .56-1(a), (c), (g)	. G		
Mesityl oxide	MSO	18 <sup>2</sup>	0	D	. 111	Α	Yes	1	No	G		
Methyl acrylate	MAM	14	0	С	111	Α	Yes	2	.50-70(a), .50-81(a), (b)	G		
Methylcyclopentadiene dimer	MCK	30	0	С	111	Α	Yes	1	No	G		
Methyl diethanolamine	MDE	8	0	E	111	Α	Yes	1	.56-1(b), (c)	G		
2-Methyl-5-ethylpyridine	MEP	9	0 .	Е	111	· A	Yes	1	.55-1(e)	G		
Methyl methacrylate	MMN	1 14	0	С	111	Α	Yes	2	.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	10	Α	Yes	2	.50-70(a), .50-81(a), (b)	G		
Morpholine	MPL	7.2	0	D	111	Α	Yes	1	.55-1(c)	G		
Nitroethane	NTE	42	0	D	- 11	A	No	N/A	.50-81, .56-1(b)	G		
1- or 2-Nitropropane	NPM	42	0	D	Ш	Α	Yes	1	.50-81	G		
1,3-Pentadiene	PDE	30	0	A		A	Yes	<del>-</del> 7	.50-70(a), .50-81	G		
Perchloroethylene	PER	36	0	NA	111	A	No	N/A	No	G		
Phthalic anhydride (molten)	PAN	11	0	E	în	. A	Yes		'No	G		
Polyethylene polyamines	PEB	72	0	· E	III	50.00	2000	1	.55-1(e)	- G		
iso-Propanolamine	MPA	8	170	-		- A	Yes		.55-1(a)	G		
	The state of the s		0	E	111	A	Yes	1				
Propanolamine (iso-, n-)	PAX	8	0	E	111	A	Yes	1	.56-1(b), (c)	G		
iso-Propylamine	IPP	7	0	A	- U	A	Yes	5	.55-1(c)	G		
Pyridine	PRD	9	0	С		A	Yes	1	.55-1(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	Ш	Α	No	N/A	.50-73, .56-1(a), (b), (c)	G		
Sodium chlorate solution (50% or less)	SDD	0 1,2	0	NA	Ш	Α	No	N/A	.50-73	G		
Sodium hypochlorite solution (20% or less)	SHQ	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.	III	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	H	Α	No	N/A	.50-73, .55-1(b)	G		
Styrene (crude)	STX		0	D ·	111	Α	Yes	2	No	G		
Styrene monomer	STY	30	0	D	III	Α	Yes	2	.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	E	- 111	Α	Yes	1	.55-1(c)	G		
Tetrahydrofuran	THĖ	41	0	С	111	A	Yes	1	.50-70(b)	G		
Toluenediamine	TDA	9	0	E	Н	A	No	N/A	.50-73, .56-1(a), (b), (c), (g)	G		
1,2,4-Trichlorobenzene	ТСВ	36	0	E	10	A	Yes	1	No	G		
1,1,2-Trichloroethane	TCM	9 95500	-0	NA	HI	A	Yes	1	.50-73, .56-1(a)	G		
Trichloroethylene	TCL	36 <sup>2</sup>	0	NA	. 111	A	Yes	1	No.	G		
1,2,3-Trichloropropane	TCN	36	0	E	- 11	A A	Yes	3	.50-73, .56-1(a)	G		
Triethanolamine	TEA	8 2	0	. <u>-</u> E	200			The second second	.55-1(b)	G		
Triethylamine	3 - 5 - 5 - 5 - 5 - 5	200		_	111	Α	Yes	1	.55-1(e)	G		
	TEN	7	0	C	11	Α	Yes	3				
Triethylenetetramine	TET	7 2	0	E	111	A	Yes	1	.55-1(b)	G		
Triphenylborane (10% or less), caustic soda solution	TPB	5	. 0	NA		Α	No	N/A		G		
Trisodium phosphate solution	TSP	5	0	NA	tii	A	No	N/A		G		
Urea, Ammonium nitrate solution (containing more than 2% NH3)	UAS	6	0	NA	111	. A	No	N/A	.56-1(b)	G		



# Certificate of Inspection

Cargo Authority Attachment

Vessel Name: KIRBY 10262 Official #: 1246443

Page 4 of 8

Shipyard: Trinity Marine

Hull #: 4914

Cargo Identification	1	3 5						Condi	tions of Carriage	
a a	Chem	Compat	Sub		Hull	Tank	Vapor F App'd	Recovery VCS	Special Description and it 40 OFF	
Name	Code	Group No		Grade	Type	Group		Category	Special Requirements in 46 CFR 151 General and Mat'ls of	Insp. Period
Vinyl acetate	VAM	13	. 0	C.	111	Α	Yes	2	.50-70(a), .50-81(a), (b)	G
Vinyl neodecanate	AND	13	0	Ε	Ш	Α	No	N/A	.50-70(a), .50-81(a), (b)	G
Vinyltoluene	VNT	13	0	D	111	Α	Yes	2	.50-70(a), .50-81, .56-1(a), (b), (c), (	G
Subchapter D Cargoes Authorized for Vapor Contro	ol	With the second	N. C.		****	9				6-
Acetone	ACT	18 <sup>2</sup>	D	С		Α	Yes	1		
Acetophenone	ACP	18	D	E		A	Yes	1		
Alcohol(C12-C16) poly(1-6)ethoxylates	APU	20	D	E		Α	Yes	1 -		
Alcohol(C6-C17)(secondary) poly(7-12)ethoxylates	AEB	20	D	E		Α	Yes	1		
Amyl acetate (all isomers)	AEC	34	D	D		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	100	6 5 1	A	Yes	1	×.	
Butyl acetate (all isomers)	BAX	34	D.,	D	45	A	Yes	1		
Butyl alcohol (iso-)	IAL	20 2°	D.	D.	, , , , r	2 (1 a)s	Yes	1		
Butyl alcohol (n-)	BAN	20 2	D	D	4 1	Α	Yes		**************************************	
Butyl alcohol (sec-)	BAS	20 <sup>2</sup>	D	С		A	Yes	1		
Butyl alcohol (tert-)	BAT	= gr = 60x	. D	C	7.	A	Yes			
Butyl benzyl phthalate	ВРН	34	D	E		A	Yes	1		
Butyl toluene	BUE	32	D	D		Α	Yes	1		
Caprolactam solutions	CLS	22	'D".	E	200000000000000000000000000000000000000	. A	2408070	. 1		
Cyclohexane	CHX	31	D	C	17 = G	Α.	Yes	1	et s 198 10 a d to 10	1474 1 100 - 1
Cyclohexanol	CHN	20		Ē		Α	Yes	i		
1,3-Cyclopentadiene dimer (molten)	CPD	30	D	D/E	25000	Α	Yes	2		1000
p-Cymene	CMP	32	D	D		A	Yes	-1	9900 is 80 in 10	-
iso-Decaldehyde	IDA	19	D	E	1.76	· A ·	Yes	. 1		.,
n-Decaldehyde	DAL	19	D	E	0.70	A	Yes	1		
Decene	DCE	30	D	D		A	Yes	1		
Decyl alcohol (all isomers)	DAX	20 2	D	E		A	Yes	1		
n-Decylbenzene, see Alkyl(C9+)benzenes	DBZ	32	D.	 E	10% (10 King)	Ä	Yes	1	and the state of t	
Diacetone alcohol	DAA	20 2	. D	_ D		A	Yes	1		
ortho-Dibutyl phthalate	DPA	34	D	E		Ą	Yes	1		
Diethylbenzene	DEB	32	D	D		A	Yes	1		
Diethylene glycol	DEG	40 2	D	E	****	A	Yes	1		
Diisobutylene	DBL	30	D	ċ		A	Yes	1		
Diisobutyl ketone	DIK	18	D	D		A	Yes	<u> </u>		
Diisopropylbenzene (all isomers)	DIX	32	Ď	E		Α	Yes	1		
Dimethyl phthalate	DTL	34	D	E	1977	A	Yes	1		
Dioctyl phthalate	DOP	34	D	E	8 1	· A	Yes	1		
Dipentene	DPN	30	D	D		A	Yes	1		
Diphenyl	DIL	32	Ď	D/E	riti	A	Yes	1		
Diphenyl, Diphenyl ether mixtures	DDO	33	D	E		Α	Yes	1		
Diphenyl ether	DPE	41	Ď	{E}		A	Yes	1		
Dipropylene glycol	DPG	40	D	E		A	Yes	1		
Distillates: Flashed feed stocks	DFF	33	D	E ·		A	Yes	4		
Distillates: Straight run	DSR	33	D	E	~	A	Yes	1		
Dodecene (all isomers)	DOZ	30	D .	D		Ä	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: KIRBY 10262 Official #: 1246443

Page 5 of 8

Shipyard: Trinity Marine

Cargo Identification	n				it	Conditions of Carriage						
2 Z E								Recovery				
Name	Chem	Compat Group No	Sub Chapter	Grade	Type	Tank Group	App'd (Y or N)	VCS Category	Special Requirements in 46 CFR 151 General and Mat'ls of	Insp. Perio		
Dodecylbenzene, see Alkyl(C9+)benzenes	DDB	32	D	Е	-5	A	Yes	1				
2-Ethoxyethyl acetate	EEA	34	D	. D	18	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 <sup>2</sup>	D	С		Α	Yes	1				
Ethylbenzene	ETB	32	D	С	0	Α	Yes	1	THE RESERVE OF THE PARTY OF THE			
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		A	Yes	1				
Ethyl cyclohexane	ECY	31	D	D		Α	Yes	1				
Ethylene glycol	EGL	20 <sup>2</sup>	D	Е		A	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		E		Α	Yes	1				
Ethyl-3-ethoxypropionate	EEP	34	D	D		Α	Yes	1				
2-Ethylhexanol	EHX	20	D	E		A	Yes	1				
Ethyl propionate	EPR	34	D	C		Α	Yes	1	V927			
Ethyl toluene	ETE	32	D	D			Yes					
Formamide	FAM	10	D	E			Yes	1				
Furfuryl alcohol	FAL	20 2	D .	E			Yes	1	<del></del>			
Gasoline blending stocks: Alkylates	GAK	33	D D	A/C		Α	Yes	1				
	GRF	33	D	A/C		A	Yes	1				
Gasoline blending stocks: Reformates		33	D	C		4-3222	0,000		7.000			
Gasolines: Automotive (containing not over 4.23 grams lead per gallon)	GAT		60	31		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 <sup>2</sup>	D	E	76	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	Е	100	Α	Yes	1		-		
Hexane (all isomers), see Alkanes (C6-C9)	HXS	31 <sup>2</sup>	D	B/C		Α	Yes	1				
Hexanoic acid	нхо	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	<del></del>			
Isophorone	IPH	18 <sup>2</sup>	D	E		· A	Yes	1				
Jet fuel: JP-4	JPF	33	D	Е		A	Yes	1	•			
Jet fuel: JP-5 (kerosene, heavy)	JPV	33	D	D		A	Yes	1		-		
Kerosene	KRS	33	D	D	-	A	Yes	<u> </u>				
Methyl acetate	MTT	34	D	D		- A	Yes	<u>i</u>				
Methyl alcohol	MAL	20 <sup>2</sup>	D	C		A	Yes	1				
	MAC	34	D	D		A	Yes	1		_		
Methylamyl acetate												

<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: KIRBY 10262 Official #: 1246443

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Shipyard: Trinity Marine

Dated: 01-May-13

Code   Column   Code   Column   Code   Column   Column   Code   Column   Code   Column   Code   C	Cargo Identification	on							Condi	tions of Carriage	
Marthy   array ketone   MAK   8		Chem	Compat	Sub		Hull	Tank	Vapor	Recovery		lasa
Methy butyl ketone         MBE         41 2 D C A Yes 1           Methyl butyl ketone         MBK         18 D C A Yes 1           Methyl butyl ketone         MBK         18 D C A Yes 1           Methyl butyl ketone         MBK MBK         18 D C A Yes 1           Methyl ketone         MBK MBK         18 D D A Yes 1           Methyl ketone         MBK MBK         18 D D A Yes 1           Methyl ketone         MBK MBK         18 D D A Yes 1           Methyl ketone         MBK MBK         20 D A Yes 1           Methyl ketone         MBK MBK         32 D D A Yes 1           Methyl ketone         MBK MBK         32 D D A Yes 1           Methyl ketone         MBK MBK         32 D D A Yes 1           Methyl ketone         MBK MBK         33 D D D A Yes 1           Mincreal spiris         MNS 33 D D D A Yes 1           Myrcene         NBK MBK         33 D D # A Yes 1           Myrcene         NBK MB MBK         33 D D A Yes 1           Naphtha: Stoddard solvent         NSS 33 D D D A Yes 1           Naphtha: Stoddard solvent         NSS 33 D D D A Yes 1           Naphtha: Stoddard solvent         NSS 33 D D D A Yes 1           Nonanca (all isomers)         A Yes 1           Nonanca (all isomers)         A Yes 1	Name	Code	Group No	Chapter	Grade					151 General and Matils of	Insp. Period
Methy but yel ketone         MBK         18         D         C         A         Yes         1           Methy but yel ketone         MBU         34         D         C         A         Yes         1           Methy labyty ketone         MBK         18         D         D         A         Yes         1           Methy labuty ketone         MIK         18         D         D         A         Yes         1           Methy labuty ketone         MIK         18         D         D         A         Yes         1           Methy labuty ketone         MIK         18         D         D         A         Yes         1           Methyl southy ketone         MIK         32         D         C         A         Yes         1           Methyl south ketone         MIK         30         D         A         Yes         1           Methyl south ketone         MIK         30         D         D         A         Yes         1           Methyl south ketone         MIK         30         D         D         A         Yes         1           Naphtas Southet         NS         30         D         D	Methyl amyl ketone	MAK	18	D	D		Α	Yes	1		
Methyl butyrate         MBU         34         D         C         A         Yes         1           Mettyl betyl ketone         MHK         18         D         C         A         Yes         1           Mettyl betyl ketone         MHK         18         D         D         A         Yes         1           Mettyl pachtelen (molen)         MMA         32         D         C         A         Yes         1           Mineral apints         MMS         33         D         D         A         Yes         1           Mineral apints         MMS         33         D         D         A         Yes         1           Mineral apints         MMS         33         D         D         A         Yes         1           Mineral apints         MMS         33         D         D         A         Yes         1           Miprima Fleatileum         PTN         33         D         #         A         Yes         1           Naphthas Loval         MMS         33         D         #         A         Yes         1           Naphthas Loval         MMS         33         D         D         <	Methyl tert-butyl ether	MBE	41 2	D	Ç		Α	Yes			
Methyl letyly ketone         MEK         18 2 D D C A Yes I           Methyl hetyly ketone         MHK         18 2 D D A Yes I           Methyl insbutyl ketone         MHK         18 2 D C A Yes I           Methyl insbutyl ketone         MHK         18 2 D C A Yes I           Methyl insbutyl ketone         MHK         32 D D A Yes I           Methyl insbutyl ketone         MMK         32 D D A Yes I           Methyl insbutyl ketone         MMK         30 D D A Yes I           Myrone         MEE         30 D D A Yes I           Naphtha: Peterdum         PTN 33 D ## A Yes I           Naphtha: Peterdum         PTN 33 D ## A Yes I           Naphtha: Solvent         NSV 33 D D A Yes I           Naphtha: Solvent Naphtha: Solvent         NSV 33 D D A Yes I           Naphtha: Variah makers and painters (75%)         NMM 33 D D A Yes I           Naphtha: Variah makers and painters (75%)         NMM 33 D D A Yes I           Naphtha: Solvent Naphtha: Variah makers and painters (75%)         NMM 33 D D A Yes I           Naphtha: Solvent Naphtha: S	Methyl butyl ketone	MBK	18	D	С		A	Yes	1		The state of
Methyl isobutyl ketone         MHK         18         D         D         A         Yas         1           Methyl isobutyl ketone         MIK         18         D         C         A         Yas         1           Methyl inaphthale (molten)         MIX         32         D         E         A         Yas         1           Mineral apirits         MIX         33         D         D         A         Yas         1           Myrorene         MRE         50         D         D         A         Yas         1           Naphtha: Heavy         NAG         33         D         #         A         Yes         1           Naphtha: Petroleum         PTN         33         D         #         A         Yes         1           Naphtha: Stoddard solvent         NSS         33         D         D         A         Yes         1           Naphtha: Varian makers and painters (75%)         NMW         33         D         C         A         Yes         1           Nonere (all isomers)         NS         20         D         A         Yes         1           Nonere (all isomers)         NS         20         D <td>Methyl butyrate</td> <td>MBU</td> <td>34</td> <td>D</td> <td>С</td> <td></td> <td>Α</td> <td>Yes</td> <td>1</td> <td></td> <td></td>	Methyl butyrate	MBU	34	D	С		Α	Yes	1		
Methyl sabutyl ketone         MIK         18 ° D         C         A         Yes         1           Methyl naphthalene (molten)         MINA         32 D         D         E         A         Yes         1           Myrcene         MRE         30 D         D         D         A         Yes         1           Naphtha: Petroleum         PRIN         33 D         D         #         A         Yes         1           Naphtha: Solvent         NSV         33 D         D         #         A         Yes         1           Naphtha: Solvent         NSV         33 D         D         A         Yes         1           Naphtha: Solvent         NSV         33 D         D         A         Yes         1           Naphtha: Soldadra dolvent         NSV         33 D         D         A         Yes         1           Naphtha: Soldadra dolvent         NSV         30 D         D         A         Yes         1           Naphtha: Soldadra dolvent         NSV         30 D         D         A         Yes         1           Naphtha: Variah makers and painters (75%)         NAX         31 D         D         A         Yes         1	Methyl ethyl ketone	MEK	18 <sup>2</sup>	D	С		Α	Yes	1		
Methyl naphthalene (molten)         MNA         32         D         E         A         Yes         1           Mineral aphrits         MNS         33         D         D         A         Yes         1           Mycrene         MRE         30         D         D         A         Yes         1           Naphtha: Febroleum         PTN         33         D         #         A         Yes         1           Naphtha: Solvent         NSV         33         D         #         A         Yes         1           Naphtha: Solvent         NSV         33         D         D         A         Yes         1           Naphtha: Solvent makers and painters (75%)         NVM         33         D         D         A         Yes         1           Naphtha: Serial makers and painters (75%)         NVM         33         D         D         A         Yes         1           Naphtha: Serial makers and painters (75%)         NVM         33         D         D         A         Yes         1           Nonzae (all isomers)         NRD         20         D         A         Yes         1           Nonzyl pénelo (all isomers)         NB </td <td>Methyl heptyl ketone</td> <td>MHK</td> <td>18</td> <td>D</td> <td>D</td> <td></td> <td>Α</td> <td>Yes</td> <td>1</td> <td></td> <td></td>	Methyl heptyl ketone	MHK	18	D	D		Α	Yes	1		
Mineral spirits	Methyl isobutyl ketone	MIK	18 <sup>2</sup>	D	С	V	Α	Yes	1		
Myrcene         MRE         30         D         D         A         Yes         1           Naphthal Heavy         NAG         33         D         #         A         Yes         1           Naphthal Fetroleum         PTN         33         D         #         A         Yes         1           Naphthal Solvent         NSV         33         D         D         A         Yes         1           Naphthal Solvent         NSV         33         D         D         A         Yes         1           Naphthal Solvent         NSV         33         D         D         A         Yes         1           Naphthal Solvent         NSV         33         D         D         A         Yes         1           Nonare (all isomers)         A         Max         31         D         D         A         Yes         1           Nonyl plachol (all isomers)         NNP         22         D         E         A         Yes         1           Nonyl planol poly(4+) ethoxylates         NPE         40         D         E         A         Yes         1           Octanol (all isomers)         OAX         31	Methyl naphthalene (molten)	MNA	32	D	E		Α	Yes	1		-
Naphtha: Heavy	Mineral spirits	MNS	33	D	D		Α	Yes	1		
Naphthas: Petroleum	Myrcene	MRE	30	D	D		Α	Yes	1		
Naphtha: Solvent	Naphtha: Heavy	NAG	33	D	#		Α	Yes	1		
Naphtha: Stoddard solvent	Naphtha: Petroleum	PTN	33	D	#		Α	Yes	1		
Naphtha: Varnish makers and painters (75%)   NVM   33   D   C   A   Yes   1	Naphtha: Solvent	NSV	33	D	D	711112	Α	Yes	1		
Name	Naphtha: Stoddard solvent	NSS	33	D	D	* 1/	Α	Yes	1		
None (all isomers)	Naphtha: Varnish makers and painters (75%)	NVM	33	D .	С		Α	Yes	1		
None   Call Isomers   None   None   None   None   None   Call Isomers   None   None   Call Isomers   None   None   Call Isomers   None   None   Call Isomers   None   None   Call Isomers   None   No	Nonane (all isomers), see Alkanes (C6-C9)	. NAX	31	D	D	1990 11	A	Yes	1.		
Nonyl alcohol (all isomers)	Nonene (all isomers)	NON	30	D	D		Α	Yes			***************************************
Nonyl phenol   NNP   21	Nonyl alcohol (all isomers)	NNS	20 2	D	E			Yes			
Nomyl phenol poly(4+)ethoxylates	Nonyl phenol	NNP	21	D	E .	10		-			
Octane (all isomers), see Alkanes (C6-C9)         OAX         31         D         C         A         Yes         1           Octanolo acid (all isomers)         OAY         4         D         E         A         Yes         1           Octanol (all isomers)         OCX         20 2 2 D         D         E         A         Yes         1           Octene (all isomers)         OTX         30 D         D C         A         Yes         1           Oil, fuel: No. 2         OTW         33 D         D D/E         A         Yes         1           Oil, fuel: No. 5         OFX         33 D         D D/E         A         Yes         1           Oil, fuel: No. 5         OFV         33 D         D D/E         A         Yes         1           Oil, fuel: No. 6         OSX         33 D         D D/E         A         Yes         1           Oil, misc: Crude         OIL         33 D         D D/E         A         Yes         1           Oil, misc: Lubricating         OBS         33 D         D E         A         Yes         1           Oil, misc: Lubricating         OLB         33 D         D E         A         Yes         1	Nonyl phenol poly(4+)ethoxylates	NPE	40	D	E			///			
Octanoic acid (all isomers)         OAY         4         D         E         A         Yes         1           Octano (all isomers)         OCX         20 2 D         D         E         A         Yes         1           Octene (all isomers)         OTX         30 D         D         C         A         Yes         2           Oil, fuel: No. 2         OTW         33 D         D/E         A         Yes         1           Oil, fuel: No. 2-D         OTD         33 D         D/E         A         Yes         1           Oil, fuel: No. 4         OFR         33 D         D/E         A         Yes         1           Oil, fuel: No. 5         OFV         33 D         D/E         A         Yes         1           Oil, fuel: No. 6         OSX         33 D         D/E         A         Yes         1           Oil, misc: Crude         Oil, 33 D         D/E         A         Yes         1           Oil, misc: Diesel         ODS         33 D         D/E         A         Yes         1           Oil, misc: Gas, high pour         OGP         33 D         E         A         Yes         1           Oil, misc: Lubricating </td <td>Octane (all isomers), see Alkanes (C6-C9)</td> <td>OAX</td> <td>31</td> <td>D</td> <td></td> <td></td> <td>V2</td> <td></td> <td></td> <td></td> <td></td>	Octane (all isomers), see Alkanes (C6-C9)	OAX	31	D			V2				
Octanol (all isomers)         OCX         20 ²         D         E         A         Yes         1           Octene (all isomers)         OTX         30         D         C         A         Yes         2           Oil, fuel: No. 2         OTW         33         D         D/E         A         Yes         1           Oil, fuel: No. 2-D         OTD         33         D         D/E         A         Yes         1           Oil, fuel: No. 4         OFR         33         D         D/E         A         Yes         1           Oil, fuel: No. 5         OFV         33         D         D/E         A         Yes         1           Oil, fuel: No. 6         OSX         33         D         E         A         Yes         1           Oil, fuel: No. 6         OSX         33         D         E         A         Yes         1           Oil, fuel: No. 6         OSX         33         D         E         A         Yes         1           Oil, misc: Decidence         OIL         33         D         E         A         Yes         1           Oil, misc: Lubricating         OLB         33         D	Octanoic acid (all isomers)	OAY	4	D				UVW			
Octene (all isomers)         OTX         30         D         C         A         Yes         2           Oil, fuel: No. 2         OTW         33         D         D/E         A         Yes         1           Oil, fuel: No. 2-D         OTD         33         D         D         A         Yes         1           Oil, fuel: No. 4         OFR         33         D         D/E         A         Yes         1           Oil, fuel: No. 6         OSX         33         D         E         A         Yes         1           Oil, misc: Crude         OIL         33         D         C/D         A         Yes         1           Oil, misc: Diesel         ODS         33         D         D/E         A         Yes         1           Oil, misc: Gas, high pour         OGP         33         D         E         A         Yes         1           Oil, misc: Lubricating         OLB         33         D         E         A         Yes         1           Oil, misc: Turbine         ORL         33         D         E         A         Yes         1           Oil, misc: Turbine         OTB         33         D <td>Octanol (all isomers)</td> <td>осх</td> <td>20 2</td> <td>D</td> <td></td> <td>90</td> <td>0.00</td> <td>1 (1/04/20)</td> <td></td> <td></td> <td></td>	Octanol (all isomers)	осх	20 2	D		90	0.00	1 (1/04/20)			
Oil, fuel: No. 2         OTW         33         D         D/E         A         Yes         1           Oil, fuel: No. 2-D         OTD         33         D         D         A         Yes         1           Oil, fuel: No. 4         OFR         33         D         D/E         A         Yes         1           Oil, fuel: No. 5         OFV         33         D         D/E         A         Yes         1           Oil, fuel: No. 6         OSX         33         D         E         A         Yes         1           Oil, misc: Crude         OIL         33         D         C/D         A         Yes         1           Oil, misc: Diesel         ODS         33         D         D/E         A         Yes         1           Oil, misc: Clubricating         OLB         33         D         E         A         Yes         1           Oil, misc: Turbine         ORL         33         D         E         A         Yes         1           Oil, misc: Turbine         OTB         33         D         E         A         Yes         1           Oil, misc: Turbine         OTB         33         D	Octene (all isomers)	ОТХ	30	D					-		_
Oil, fuel: No. 2-D         OTD         33         D         D         A         Yes         1           Oil, fuel: No. 4         OFR         33         D         D/E         A         Yes         1           Oil, fuel: No. 5         OFV         33         D         D/E         A         Yes         1           Oil, fuel: No. 6         OSX         33         D         E         A         Yes         1           Oil, misc: Crude         OIL         33         D         C/D         A         Yes         1           Oil, misc: Crude         OIL         33         D         D/E         A         Yes         1           Oil, misc: Crude         OIL         33         D         E         A         Yes         1           Oil, misc: Crude         OSS         33         D         E         A         Yes         1           Oil, misc: Crude         OBS         33         D         E         A         Yes         1           Oil, misc: Residual         ORL         33         D         E         A         Yes         1           Oil, misc: Turbine         OTB         33         D         E <td>Oil, fuel: No. 2</td> <td>OTW</td> <td>33</td> <td>D</td> <td></td> <td></td> <td>37.01.07</td> <td></td> <td></td> <td></td> <td></td>	Oil, fuel: No. 2	OTW	33	D			37.01.07				
Oil, fuel: No. 4       OFR       33       D       D/E       A       Yes       1         Oil, fuel: No. 5       OFV       33       D       D/E       A       Yes       1         Oil, fuel: No. 6       OSX       33       D       E       A       Yes       1         Oil, misc: Crude       OIL       33       D       C/D       A       Yes       1         Oil, misc: Diesel       ODS       33       D       D/E       A       Yes       1         Oil, misc: Gas, high pour       OGP       33       D       E       A       Yes       1         Oil, misc: Lubricating       OLB       33       D       E       A       Yes       1         Oil, misc: Residual       ORL       33       D       E       A       Yes       1         Oil, misc: Turbine       OTB       33       D       E       A       Yes       1         Oil, misc: Turbine       OTB       33       D       E       A       Yes       1         Pentane (all isomers)       PTY       31       D       A       A       Yes       5         Pentane (all isomers)       PTX <t< td=""><td>Oil, fuel: No. 2-D</td><td>OTD</td><td>33</td><td>. D</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>	Oil, fuel: No. 2-D	OTD	33	. D							
Oil, fuel: No. 5       OFV       33       D       D/E       A       Yes       1         Oil, fuel: No. 6       OSX       33       D       E       A       Yes       1         Oil, misc: Crude       OIL       33       D       C/D       A       Yes       1         Oil, misc: Diesel       ODS       33       D       D/E       A       Yes       1         Oil, misc: Gas, high pour       OGP       33       D       E       A       Yes       1         Oil, misc: Lubricating       OLB       33       D       E       A       Yes       1         Oil, misc: Residual       ORL       33       D       E       A       Yes       1         Oil, misc: Turbine       OTB       33       D       E       A       Yes       1         Pentane (all isomers)       PTY       31       D       A       A       Yes       5         Pentene (all isomers)       PTX       30       D       A       A       Yes       5         Pentene (all isomers)       PTX       30       D       A       A       Yes       5         n-Pentyl propionate       PPE	Oil, fuel: No. 4	OFR	33	0001	100					A	
Oil, fuel: No. 6         OSX         33         D         E         A         Yes         1           Oil, misc: Crude         OIL         33         D         C/D         A         Yes         1           Oil, misc: Diesel         ODS         33         D         D/E         A         Yes         1           Oil, misc: Gas, high pour         OGP         33         D         E         A         Yes         1           Oil, misc: Cubricating         OLB         33         D         E         A         Yes         1           Oil, misc: Residual         ORL         33         D         E         A         Yes         1           Oil, misc: Turbine         OTB         33         D         E         A         Yes         1           Oil, misc: Turbine         OTB         33         D         E         A         Yes         1           Oil, misc: Turbine         OTB         33         D         E         A         Yes         1           Oil, misc: Turbine         OTB         33         D         E         A         Yes         1           Pentane (all isomers)         PTY         31         D<	Oil, fuel: No. 5		No. The	1000	1100000			G/As			
Oil, misc: Crude         Oil.         33         D         C/D         A         Yes         1           Oil, misc: Diesel         ODS         33         D         D/E         A         Yes         1           Oil, misc: Gas, high pour         OGP         33         D         E         A         Yes         1           Oil, misc: Lubricating         OLB         33         D         E         A         Yes         1           Oil, misc: Turbine         ORL         33         D         E         A         Yes         1           Pentane (all isomers)         PTY         31         D         A         A         Yes         5           Pentene (all isomers)         PTX         30         D         A         A         Yes         5           Pentene (all isomers)         PTX         30         D         A         A         Yes         5           Pentene (all isomers)         PTX         30         D         A         A         Yes         5           Pentene (all isomers)         PTX         30         D         A         Yes         1           Pentene (all isomers)         PTX         30         D <td>Oil, fuel: No. 6</td> <td>osx</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	Oil, fuel: No. 6	osx									
Oil, misc: Diesel         ODS         33         D         D/E         A         Yes         1           Oil, misc: Gas, high pour         OGP         33         D         E         A         Yes         1           Oil, misc: Lubricating         OLB         33         D         E         A         Yes         1           Oil, misc: Residual         ORL         33         D         E         A         Yes         1           Oil, misc: Turbine         OTB         33         D         E         A         Yes         1           Pentane (all isomers)         PTY         31         D         A         A         Yes         5           Pentene (all isomers)         PTX         30         D         A         A         Yes         5           Pentene (all isomers)         PTX         30         D         A         A         Yes         5           Pentene (all isomers)         PTX         30         D         A         A         Yes         5           Pentene (all isomers)         PTX         30         D         D         A         Yes         1           alpha-Pinene         PID         30	Oil, misc: Crude			-							
Oil, misc: Gas, high pour         OGP         33         D         E         A         Yes         1           Oil, misc: Lubricating         OLB         33         D         E         A         Yes         1           Oil, misc: Residual         ORL         33         D         E         A         Yes         1           Oil, misc: Turbine         OTB         33         D         E         A         Yes         1           Pentane (all isomers)         PTY         31         D         A         A         Yes         5           Pentene (all isomers)         PTX         30         D         A         A         Yes         5           Pentene (all isomers)         PTX         30         D         A         A         Yes         5           Pentene (all isomers)         PTX         30         D         A         A         Yes         5           Pententene (all isomers)         PTX         30         D         D         A         Yes         1           alpha-Pinene         PPE         34         D         D         A         Yes         1           beta-Pinene         PIP         30 <td< td=""><td>Oil, misc: Diesel</td><td>ODS</td><td>33</td><td>D</td><td></td><td></td><td></td><td></td><td>-</td><td>V,</td><td></td></td<>	Oil, misc: Diesel	ODS	33	D					-	V,	
Oil, misc: Lubricating         OLB         33         D         E         A         Yes         1           Oil, misc: Residual         ORL         33         D         E         A         Yes         1           Oil, misc: Turbine         OTB         33         D         E         A         Yes         1           Pentane (all isomers)         PTX         31         D         A         A         Yes         5           Pentene (all isomers)         PTX         30         D         A         A         Yes         5           Pentene (all isomers)         PTX         30         D         A         A         Yes         5           Pentene (all isomers)         PTX         30         D         A         A         Yes         5           Pentene (all isomers)         PTX         30         D         A         A         Yes         5           Pentene (all isomers)         PPE         34         D         D         A         Yes         1           alpha-Pinene         PPE         34         D         D         A         Yes         1           beta-Pinene         PIP         30         D	Oil, misc: Gas, high pour	OGP					~	CHARGO CO.			
OII, misc: Residual       ORL       33       D       E       A       Yes       1         OII, misc: Turbine       OTB       33       D       E       A       Yes       1         Pentane (all isomers)       PTY       31       D       A       A       Yes       5         Pentene (all isomers)       PTX       30       D       A       A       Yes       5         n-Pentyl propionate       PPE       34       D       D       A       Yes       1         alpha-Pinene       PIO       30       D       D       A       Yes       1         beta-Pinene       PIP       30       D       D       A       Yes       1         Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether       PAG       40       D       E       A       Yes       1         Polybutene       PLB       30       D       E       A       Yes       1         Polypropylene glycol       PGC       40       D       E       A       Yes       1         Polypropylene glycol       PGC       40       D       E       A       Yes       1         Iso-Propyl acetate       PAT	Oil, misc: Lubricating										
Oil, misc: Turbine         OTB         33         D         E         A         Yes         1           Pentane (all isomers)         PTY         31         D         A         A         Yes         5           Pentene (all isomers)         PTX         30         D         A         A         Yes         5           n-Pentyl propionate         PPE         34         D         D         A         Yes         1           alpha-Pinene         PIO         30         D         D         A         Yes         1           beta-Pinene         PIP         30         D         D         A         Yes         1           Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether         PAG         40         D         E         A         Yes         1           Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether acetate         PAF         34         D         E         A         Yes         1           Polybutene         PLB         30         D         E         A         Yes         1           Polypropylene glycol         PGC         40         D         E         A         Yes         1           iso-Propyl acetate         IA<	Oil, misc: Residual	2000 (2000)	9130					100			
Pentane (all isomers)         PTY         31         D         A         A         Yes         5           Pentene (all isomers)         PTX         30         D         A         A         Yes         5           n-Pentyl propionate         PPE         34         D         D         A         Yes         1           alpha-Pinene         PIO         30         D         D         A         Yes         1           beta-Pinene         PIP         30         D         D         A         Yes         1           Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether         PAG         40         D         E         A         Yes         1           Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether acetate         PAF         34         D         E         A         Yes         1           Polytudene         PLB         30         D         E         A         Yes         1           Polytropylene glycol         PGC         40         D         E         A         Yes         1           iso-Propyl acetate         IAC         34         D         C         A         Yes         1	Oil, misc: Turbine			81.02		17		2/2			
Pentene (all isomers)         PTX         30         D         A         A         Yes         5           n-Pentyl propionate         PPE         34         D         D         A         Yes         1           alpha-Pinene         PIO         30         D         D         A         Yes         1           beta-Pinene         PIP         30         D         D         A         Yes         1           Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether         PAG         40         D         E         A         Yes         1           Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether acetate         PAF         34         D         E         A         Yes         1           Polytoputene         PLB         30         D         E         A         Yes         1           Polypropylene glycol         PGC         40         D         E         A         Yes         1           iso-Propyl acetate         IAC         34         D         C         A         Yes         1	Personal Control of the Control of t	1000					500000	0.0000	(3)		
n-Pentyl propionate	Pentene (all isomers)	-									
alpha-Pinene       PIO       30       D       D       A       Yes       1         beta-Pinene       PIP       30       D       D       D       A       Yes       1         Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether       PAG       40       D       E       A       Yes       1         Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether acetate       PAF       34       D       E       A       Yes       1         Polybutene       PLB       30       D       E       A       Yes       1         Polypropylene glycol       PGC       40       D       E       A       Yes       1         iso-Propyl acetate       IAC       34       D       C       A       Yes       1         n-Propyl acetate       PAT       34       D       C       A       Yes       1		- S 30000		37.50							
beta-Pinene         PIP         30         D         D         A         Yes         1           Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether         PAG         40         D         E         A         Yes         1           Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether acetate         PAF         34         D         E         A         Yes         1           Polybutene         PLB         30         D         E         A         Yes         1           Polypropylene glycol         PGC         40         D         E         A         Yes         1           iso-Propyl acetate         IAC         34         D         C         A         Yes         1           n-Propyl acetate         PAT         34         D         C         A         Yes         1	Anne un		- 1		_	-			-		
Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether         PAG         40         D         E         A         Yes         1           Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether acetate         PAF         34         D         E         A         Yes         1           Polybutene         PLB         30         D         E         A         Yes         1           Polypropylene glycol         PGC         40         D         E         A         Yes         1           iso-Propyl acetate         IAC         34         D         C         A         Yes         1           n-Propyl acetate         PAT         34         D         C         A         Yes         1											
Poly(2-8)alkylene glycol monoalkyl(C1-C6) ether acetate         PAF         34         D         E         A         Yes         1           Polybutene         PLB         30         D         E         A         Yes         1           Polypropylene glycol         PGC         40         D         E         A         Yes         1           iso-Propyl acetate         IAC         34         D         C         A         Yes         1           n-Propyl acetate         PAT         34         D         C         A         Yes         1		-					100				
Polybutene         PLB         30         D         E         A         Yes         1           Polypropylene glycol         PGC         40         D         E         A         Yes         1           iso-Propyl acetate         IAC         34         D         C         A         Yes         1           n-Propyl acetate         PAT         34         D         C         A         Yes         1								120,000			
Polypropylene glycol         PGC         40         D         E         A         Yes         1           iso-Propyl acetate         IAC         34         D         C         A         Yes         1           n-Propyl acetate         PAT         34         D         C         A         Yes         1				1000							
iso-Propyl acetate	A STATE OF THE STA				206.2						
n-Propyl acetate PAT 34 D C A Yes 1				2807/	1.65/05	-		AC. 11			21
TAI 34 D C A 168 I					-20	111	331,000				
iso-Propyl alcohol IPA 20 2 D C A Yes 1	· · · · · · · · · · · · · · · · · · ·		A							~	
IPA									20		



# Certificate of Inspection

Cargo Authority Attachment

Vessel Name: KIRBY 10262 Official #: 1246443

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Shipyard: Trinity Marine

Cargo Identific	ation					Conditions of Carriage						
	2000			7				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		
Propylbenzene (all isomers)	PBY	32	D	- D		A	Yes	1				
iso-Propylcyclohexane	IPX	31	D	D	Ti Ti	A	Yes	1		1000		
Propylene glycol	PPG	20 2	D	E		A	Yes	1				
Propylene glycol methyl ether acetate	PGN	34	D	D		A	Yes	1				
Propylene tetramer	PTT	30	D	D		Α	Yes	<u>i</u>				
Sulfolane	SFL	39	D	E		Α	Yes	1				
Tetraethylene glycol	TTG	40	D ·	E		A	Yes	1				
Tetrahydronaphthalene	THN	32	D	E		A	Yes	1				
Toluene	TOL	32	D	C		Α	Yes	1		-		
Tricresyl phosphate (less than 1% of the ortho isomer)	TCP	34	D	E		A	Yes	1				
Triethylbenzene	TEB	32	D	E		A	Yes	1				
Triethylene glycol	TEG	40	D	E	-	A	Yes	1				
Triethyl phosphate	TPS	34	D	E		A	Yes	- 1				
Trimethylbenzene (all isomers)	TRE	32	D	{D}		A	Yes	1				
Trixylenyl phosphate	TRP	34	D	E	-	A	Yes					
Undecene	UDC	30	D	.D/E		A	Yes	1				
1-Undecyl alcohol	UND	20	D	E			Yes	1				
Xylenes (ortho-, meta-, para-)	XLX	32	D	<u> </u>			Yes					



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

Serial #: C1-1301371

01-May-13

# Certificate of Inspection

Cargo Authority Attachment

Vessel Name: KIRBY 10262 Official #: 1246443

Page 8 of 8

Shipyard: Trinity Marine

Hull#: 4914

#### 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 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

Note 1 Note 2

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

Subchapter Subchapter D Subchapter O Note 3

The subchapter in Title 46 Code of Federal Regulations under which the cargo has been classified.

Those flammable and combustible liquids listed in 46 CFR Table 30,251. 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.

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 Note 4 Flammable liquid cargoes, as defined in 46 CFR 30-10.22. Combustible liquid cargoes, as defined in 46 CFR 30-10.15.

Combustible inquire cargoes, as genned in 40 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.

NA Hull Type

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 Recovery 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 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 1570, 46 CFR 35.35 and 46 CFR 39. The cargo tank venting system calculations (46 CFR 39.20-11) and the pressure drop calculations (46 CFR 39.30-1(b)) must use appropriate friction factors, vapor densities and vapor growth rates.

Category 2

(Polymerizes) Polymerization and residue build-up of these cargoes can adversely affect the vessel by fouling safety components and restricting vapor flow which could lead to cargo tank overpressurization. The vessel's owner must develop a method of ensuring all VCS safety components are functional and polymer build-up is not causing an unsafe condition due to increased pressure in the vapor control piping and cargo tanks. The method shall be acceptable to the local Officer in Charge, Marine Inspection. This is in addition to the requirements of Category 1. Please note that a material not normally considered a monomer can be a problem in detonation 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 1cargoes. 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.

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