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

Certification Date:	09 Sep 2019
Expiration Date:	09 Sep 2024

Certificate of Inspection

For ships on international voyages this certificate fulfills the requirements of SOLAS 74 as amended, regulation V/14, for a SAFE MANNING DOCUMENT.

Vessel Name	Official Number	IMO Number	Call Sign	Service
CBC 68	1157193			Tank Barge

Hailing Port	Hull Material	Horsepower	Propulsion
NEW ORLEANS, LA UNITED STATES	Steel		

Place Built	Delivery Date	Keel Laid Date	Gross Tons	Net Tons	DWT	Length
JEFFERSONVILLE, IN UNITED STATES	03Nov2004	10Sep2004	R-735 I-	R-735 I-		R-200.0 I-0

Owner
CANAL BARGE COMPANY INC
1801 ENGINEERS RD
BELLE CHASSE, LA 70037
UNITED STATES

Operator
CANAL BARGE COMPANY INC
1801 ENGINEERS RD
BELLE CHASSE, LA 70037
UNITED STATES

This vessel must be manned with the following licensed and unlicensed Personnel. Included in which there must be 0 Certified Lifeboatmen, 0 Certified Tankermen, 0 HSC Type Rating, and 0 GMDSS Operators.

0 Masters	0 Licensed Mates	0 Chief Engineers	0 Oilers
0 Chief Mates	0 First Class Pilots	0 First Assistant Engineers	
0 Second Mates	0 Radio Officers	0 Second Assistant Engineers	
0 Third Mates	0 Able Seamen	0 Third Assistant Engineers	
0 Master First Class Pilot	0 Ordinary Seamen	0 Licensed Engineers	
0 Mate First Class Pilots	0 Deckhands	0 Qualified Member Engineer	

In addition, this vessel may carry 0 Passengers, 0 Other Persons in crew, 0 Persons in addition to crew, and no Others. Total Persons allowed: 0

Route Permitted And Conditions Of Operation:

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

THIS VESSEL HAS BEEN GRANTED A FRESH WATER SERVICE EXAMINATION INTERVAL PER 46 CFR 31.10-21(A)(2). IF THIS VESSEL IS OPERATED IN SALT WATER MORE THAN 6 MONTHS IN ANY 12 MONTH PERIOD, THE VESSEL MUST BE INSPECTED USING SALT WATER INTERVALS PER 46 CFR 31.10-21(A)(1) AND THE COGNIZANT OCMI NOTIFIED IN WRITING AS SOON AS THIS CHANGE IN STATUS OCCURS.

THIS TANK BARGE IS PARTICIPATING IN THE EIGHTH AND NINTH COAST GUARD DISTRICTS' TANK BARGE STREAMLINED INSPECTION PROGRAM (TBSIP). INSPECTION ACTIVITIES ABOARD THIS BARGE SHALL BE CONDUCTED IN ACCORDANCE WITH ITS TANK BARGE ACTION PLAN. INSPECTION ISSUES CONCERNING THIS BARGE SHOULD BE DIRECTED TO COAST GUARD SECTOR NEW ORLEANS.

SEE NEXT PAGE FOR ADDITIONAL CERTIFICATE INFORMATION

With this Inspection for Certification having been completed at Willowbrook, IL, UNITED STATES, the Officer in Charge, Marine Inspection, Sector Lake Michigan certified the vessel, in all respects, is in conformity with the applicable vessel inspection laws and the rules and regulations prescribed thereunder.

Annual/Periodic/Re-Inspection

Date	Zone	A/P/R	Signature
25 Aug 22	Canal Barge	A	
30 Sept 21	Canal Barge	P	
13 June 22	Canal Barge	A	
10 Oct 23	Canal Barge	A	

This Amended certificate issued by:
J. H. HART COMMANDER, by direction
Officer in Charge, Marine Inspection
Sector New Orleans
Inspection Zone

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

Certification Date:	09 Sep 2019
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Date	Zone	A/P/R	Signature
25 Aug 2020	Canal Barge	A	
30 Sept 21	Canal Barge	P	
13 June 22	Canal Barge	A	

This Amended certificate issued by:

J. H. HART COMMANDER, by direction

Officer in Charge, Marine Inspection

Sector New Orleans

Inspection Zone

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

Certification Date	09 Sep 2019
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BELLE CHASSE, LA 70037
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Annual/Periodic/Re-Inspection

Date	Zone	A/P/R	Signature
25 Aug 2020	TBSIP Chicago	A	
30 Sept 21	HOV Canal Barge	P	Roy McCoy

This certificate issued by: Randy L. Preston
RANDY L. PRESTON, CDR, USCG BY DIRECTION
Officer in Charge, Marine Inspection
Sector Lake Michigan
Inspection Zone

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

Certification Date: 09 Sep 201
Expiration Date: 09 Sep 202

Certificate of Inspection

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CBC 68	1157193			Tank Barge

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NEW ORLEANS, LA UNITED STATES	Steel		

Place Built	Delivery Date	Keel Laid Date	Gross Tons	Net Tons	DWT	Length
JEFFERSONVILLE, IN UNITED STATES	03Nov2004	10Sep2004	R-735 I-	R-735 I-		R-200.0 I-0

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BELLE CHASSE, LA 70037
UNITED STATES

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Annual/Periodic/Re-Inspection

Date	Zone	A/P/R	Signature
25 Aug 2020	TBSIP Chicago	A	

This certificate issued by: Randy L. Preston
RANDY L. PRESTON, CDR, USCG BY DIRECT
Officer in Charge, Marine Inspection
Sector Lake Michigan
Inspection Zone

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

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Date	Zone	A/P/R	Signature

This certificate issued by: Randy L. Preston
RANDY L. PRESTON, CDR, USCG BY DIRECTION
Officer in Charge, Marine Inspection
Sector Lake Michigan
Inspection Zone

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

Certification Date:	09 Sep 2019
Expiration Date:	09 Sep 2024

Certificate of Inspection

Vessel Name: CBC 68

---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
DryDock	31Aug2024	04Aug2014	03Nov2004
Internal Structure	31Aug2024	09Aug2019	04Aug2014

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

Authorization: FLAMMABLE/COMBUSTIBLE AND SPECIFIED HAZARDOUS CARGOES

Total Capacity	Units	Highest Grade Type	Part151 Regulated	Part153 Regulated	Part154 Regulated
10955	Barrels	A	Yes	No	No

Hazardous Bulk Solids Authority

Not Authorized

Loading Constraints - Structural

Tank Number	Max Cargo Weight per Tank (short tons)	Maximum Density (lbs/gal)
1 C/L	624	13.6
2 C/L	589	13.6
3 C/L	589	13.6

Loading Constraints - Stability

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
I	1362	8ft 8in	13.6	R, LBS
II	1432	9ft 0in	13.6	R, LBS
III	1702	10ft 3in	13.6	R, LBS

Conditions Of Carriage

ONLY THOSE SPECIFIED HAZARDOUS CARGOES NAMED IN THE VESSEL'S CARGO AUTHORITY ATTACHMENT (CAA), SERIAL # C2-0402477, DATED 04OCT04, MAY BE CARRIED. THE SPECIFIED HAZARDOUS CARGOES MAY BE CARRIED ONLY IN THE TANKS INDICATED.

WHEN THE VESSEL IS CARRYING CARGOES CONTAINING 0.5% OR GREATER BENZENE BY VOLUME, THE PERSON IN CHARGE IS RESPONSIBLE FOR ENSURING THE PROVISIONS OF 46 CFR 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 #C2-0402477, DATED 17-OCT-04, AND FOUND ACCEPTABLE FOR COLLECTION OF BULK LIQUID CARGO VAPORS ANNOTATED WITH "YES" IN THE CAA'S VCS COLUMN.

STABILITY AND TRIM

PER 46 CFR 151.10(C)(2) THE MAXIMUM TANK WEIGHTS LISTED ABOVE REFLECT UNIFORM(WITHIN 5%) LOADING AT THE DEEPEST DRAFT ALLOWED. WHEN CARRYING SUBCHAPTER "O" CARGOES AT SHALLOWER DRAFTS, THE BARGE SHOULD ALWAYS BE LOADED UNIFORMLY.

--- Inspection Status ---

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

Certification Date:	09 Sep 2019
Expiration Date:	09 Sep 2024

Certificate of Inspection

Vessel Name: CBC 68

Cargo Tanks

	Internal Exam			External Exam		
Tank Id	Previous	Last	Next	Previous	Last	Next
1 C/L	04Aug2020	13Jun2022	30Jun2024	-	-	-
2 C/L	04Aug2020	13Jun2022	30Jun2024	-	-	-
3 C/L	04Aug2020	13Jun2022	30Jun2024	-	-	-

		Hydro Test		
Tank Id	Safety Valves	Previous	Last	Next
1 C/L	-	-	-	-
2 C/L	-	-	-	-
3 C/L	-	-	-	-

---Conditional Portable Fire Extinguisher Requirements---

Required Only During Transfer of Cargo or Operation of Barge Machinery

--- Fire Fighting Equipment ---

Fire Extinguishers - Hand portable and semi-portable

Quantity	Class Type
2	B-II

---Certificate Amendments---

Amending Unit	Amendment Date	Amendment Remark
Marine Safety Unit Chicago	04Aug2020	Completed Internal Structural Examination.
Sector New Orleans	13Jun2022	Completed Cargo Tank Internal Examination

END

Department of Homeland Security
United States Coast Guard

Serial #: C2-0402477
Generated: 04-Oct-04

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: **CBC 68**
Official #: 1157193

Shipyard: Jeffboat
Hull #: 04-2180

46 CFR 151 Tank Group Characteristics

Tank Group Information		Cargo Identification			Hull Typ	Cargo Seg Tank	Tanks			Cargo Transfer		Environmental Control		Fire Protection Provided	Special Requirements		Elec Haz	Temp
Tnk Grp	Tanks in Group	Density	Press.	Temp.			Type	Vent	Gauge	Pipe Class	Cont	Tanks	Handling Space		General	Materials of Construction		
A	#1, #2, #3	13.6	Atmos.	Amb.	I	1ii 2ii	Integral Gravity	PV	Closed	I	G-1	NR	NA	Portable	.50-5, .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.

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 Identification						Conditions of Carriage			
							Vapor Recovery		
Name	Chem Code	Compat Group	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 Construction
Authorized Subchapter O Cargoes									
Coal tar crude bases	CTB	9	O/O	D	I	A	No	N/A	.50-5, .50-73, .55-1(e)
Phenol (15% min.), Xylenol (15% min.), Cresols (35% min.) mixture	CRZ	21	O/O	E	I	A	No	N/A	.50-5, .50-73
Acetone cyanohydrin	ACY	0 [1,2]	O	E	I	A	Yes	3	.50-5, .50-70(b), .50-73, .50-81
Acetonitrile	ATN	37	O	C	III	A	Yes	3	No
Acrylonitrile	ACN	15 [2]	O	C	II	A	Yes	4	.50-70(a), .55-1(e)
Adiponitrile	ADN	37	O	E	II	A	Yes	1	No
Alkyl(C7-C9) nitrates	AKN	34 [2]	O	NA	III	A	No	N/A	.50-81, .50-86
Allyl alcohol	ALA	15 [2]	O	C	I	A	Yes	3	.50-5, .50-73
Allyl chloride	ALC	15	O	B	I	A	Yes	3	.50-5
Aminoethylethanolamine	AEE	8	O	E	III	A	Yes	1	.55-1(b)
Ammonium bisulfite solution (70% or less)	ABX	43 [2]	O	NA	III	A	No	N/A	.50-73, .56-1(a), (b), (c)
Ammonium hydroxide (28% or less NH3)	AMH	6	O	NA	III	A	No	N/A	.56-1(a), (b), (c), (f), (g)
Aniline	ANL	9	O	E	I	A	Yes	3	.50-5, .50-73
Anthracene oil (Coal tar fraction)	AHO	33	O	NA	II	A	No	N/A	No
Benzene	BNZ	32	O	C	III	A	Yes	1	.50-60
Benzene or hydrocarbon mixtures (having 10% Benzene or more)	BHB	32 [2]	O	NA	III	A	Yes	1	.50-60
Benzene or hydrocarbon mixtures (containing Acetylene and 10% Benzene or more)	BHA	32 [2]	O	NA	III	A	Yes	1	.50-60, .56-1(b), (d), (f), (g)
Benzene, Toluene, Xylene mixtures (10% Benzene or more)	BTX	32	O	B/C	III	A	Yes	1	.50-60
Butyl acrylate (all isomers)	BAR	14	O	D	III	A	Yes	2	.50-70(a), .50-81(a), (b)
Butyl methacrylate	BMH	14	O	D	III	A	Yes	2	.50-70(a), .50-81(a), (b)
Butyraldehyde (all isomers)	BAE	19	O	C	III	A	Yes	1	.55-1(h)
Camphor oil (light)	CPO	18	O	D	II	A	No	N/A	No
Carbolic oil	CBO	21	O	E	I	A	Yes	3	.50-5, .50-73
Carbon tetrachloride	CBT	36	O	NA	III	A	No	N/A	No
Caustic potash solution	CPS	5 [2]	O	NA	III	A	No	N/A	.50-73, .55-1(j)
Caustic soda solution	CSS	5 [2]	O	NA	III	A	No	N/A	.50-73, .55-1(j)
Chemical Oil (refined, containing phenolics)	COD	21	O	E	II	A	No	N/A	.50-73
Chlorobenzene	CRB	36	O	D	III	A	Yes	1	No
Chloroform	CRF	36	O	E	III	A	Yes	3	No
Chlorohydrins (crude)	CHD	17	O	D	I	A	Yes	3	.50-5
o-Chloronitrobenzene	CNO	42	O	E	I	A	No	N/A	.50-5, .50-73
Coal tar naphtha solvent	NCT	33	O	D	III	A	Yes	1	.50-73
Creosote	CCW	21 [2]	O	E	III	A	Yes	1	No
Cresols (all isomers)	CRS	21	O	E	III	A	Yes	1	No
Cresylate spent caustic	CSC	5	O	NA	III	A	No	N/A	.50-73, .55-1(b)
Cresylic acid tar	CRX		O		III	A	Yes	1	.55-1(f)
Crotonaldehyde	CTA	19 [2]	O	C	II	A	Yes	4	.55-1(h)

*** *This document is only valid when attached to, and referenced by a current, valid Certificate of Inspection.* ***

Department of Homeland Security
United States Coast Guard

Serial #: C2-0402477
Generated: 04-Oct-04

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: **CBC 68**
Official #: 1157193

Shipyard: Jeffboat
Hull #: 04-2180

Cargo Identification						Conditions of Carriage			
							Vapor Recovery		
Name	Chem Code	Compat Group	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 Construction
Hydrocarbon 5-9	HFN		O		III	A	Yes	1	.50-70(a), .50-81(a), (b)
2-Hydroxyethyl acrylate	HAI	0 [1,2]	O	E	I	A	Yes	3	.50-5, .50-70(a), .50-73, .50-81(a), (b)
Isoprene	IPR	30	O	A	III	A	No	N/A	.50-70(a), .50-81(a), (b)
Isoprene, Pentadiene mixture	IPN		O		III	A	No	N/A	.50-70(a), .55-1(c)
Kraft pulping liquors (free alkali content 3% or more)(including: Black, Green, or White liquor)	KPL	5	O	NA	III	A	No	N/A	.50-73, .56-1(a), (c), (g)
Mesityl oxide	MSO	18 [2]	O	D	III	A	Yes	1	No
Methyl acrylate	MAM	14	O	C	III	A	Yes	2	.50-70(a), .50-81(a), (b)
Methylcyclopentadiene dimer	MCK	30	O	C	III	A	Yes	1	No
Methyl diethanolamine	MDE	8	O	E	III	A	Yes	1	.56-1(b), (c)
2-Methyl-5-ethylpyridine	MEP	9	O	E	III	A	Yes	1	.55-1(e)
Methyl methacrylate	MMM	14	O	C	III	A	Yes	2	.50-70(a), .50-81(a), (b)
2-Methylpyridine	MPR	9	O	D	III	A	Yes	3	.55-1(c)
alpha-Methylstyrene	MSR	30	O	D	III	A	Yes	2	.50-70(a), .50-81(a), (b)
Morpholine	MPL	7 [2]	O	D	III	A	Yes	1	.55-1(c)
Nitrobenzene	NTB	42	O	E	I	A	Yes	3	.50-5, .50-73
1- or 2-Nitropropane	NPM	42	O	D	III	A	Yes	1	.50-81
o-Nitrotoluene	NIE	42	O	E	I	A	No	N/A	.50-5, .50-73
1,3-Pentadiene	PDE	30	O	A	III	A	Yes	7	.50-70(a), .50-81
Perchloroethylene	PER	36	O	NA	III	A	No	N/A	No
Phenol (or solutions with 5% or more Phenol)	PHN	21	O	E	I	A	Yes	3	.50-5, .50-73
Polyethylene polyamines	PEB	7 [2]	O	E	III	A	Yes	1	.55-1(e)
iso-Propanolamine	MPA	8	O	E	III	A	Yes	1	.55-1(c)
Propanolamine (iso-, n-)	PAX	8	O	E	III	A	Yes	1	.56-1(b), (c)
iso-Propylamine	IPP	7	O	A	II	A	No	N/A	.55-1(c)
Pyridine	PRD	9	O	C	III	A	Yes	1	.55-1(e)
Sodium acetate, Glycol, Water mixture (3% or more Sodium Hydroxide)	SAP		O		III	A	No	N/A	.50-73, .55-1(j)
Sodium aluminate solution (45% or less)	SAU	5	O	NA	III	A	No	N/A	.50-73, .56-1(a), (b), (c)
Sodium chlorate solution (50% or less)	SDD	0 [1,2]	O	NA	III	A	No	N/A	.50-73
Sodium hypochlorite solution (20% or less)	SHQ	5	O	NA	III	A	No	N/A	.50-73, .56-1(a), (b)
Sodium sulfide, hydrosulfide solution (H2S 15 ppm or less)	SSH	0 [1,2]	O	NA	III	A	Yes	1	.50-73, .55-1(b)
Sodium sulfide, hydrosulfide solution (H2S greater than 15 ppm but less than 200 ppm)	SSI	0 [1,2]	O	NA	III	A	No	N/A	.50-73, .55-1(b)
Sodium sulfide, hydrosulfide solution (H2S greater than 200 ppm)	SSJ	0 [1,2]	O	NA	II	A	No	N/A	.50-73, .55-1(b)
Styrene (crude)	STX		O	D	III	A	Yes	2	No
Styrene monomer	STY	30	O	D	III	A	Yes	2	.50-70(a), .50-81(a), (b)
1,1,2,2-Tetrachloroethane	TEC	36	O	NA	III	A	No	N/A	No
Tetraethylenepentamine	TTP	7	O	E	III	A	Yes	1	.55-1(c)
Tetrahydrofuran	THF	41	O	C	III	A	Yes	1	.50-70(b)
Toluenediamine	TDA	9	O	E	II	A	No	N/A	.50-73, .56-1(a), (b), (c), (g)
o-Toluidine	TLI	9	O	E	II	A	Yes	3	.50-5, .50-73
1,2,4-Trichlorobenzene	TCB	36	O	E	III	A	Yes	1	No
1,1,2-Trichloroethane	TCM	36	O	NA	III	A	Yes	1	.50-73, .56-1(a)
Trichloroethylene	TCL	36 [2]	O	NA	III	A	Yes	1	No
1,2,3-Trichloropropane	TCN	36	O	E	II	A	Yes	3	.50-73, .56-1(a)
Triethanolamine	TEA	8 [2]	O	E	III	A	Yes	1	.55-1(b)
Triethylamine	TEN	7	O	C	II	A	Yes	3	.55-1(e)
Triethylenetetramine	TET	7 [2]	O	E	III	A	Yes	1	.55-1(b)
Triphenylborane (10% or less), caustic soda solution	TPB	5	O	NA	III	A	No	N/A	.56-1(a), (b), (c)
Trisodium phosphate solution	TSP	5	O	NA	III	A	No	N/A	.50-73, .56-1(a), (c)
Urea, Ammonium nitrate solution (containing more than 2% NH3)	UAS	6	O	NA	III	A	No	N/A	.56-1(b)
Vanillin black liquor (free alkali content, 3% or more).	VBL	5	O	NA	III	A	No	N/A	.50-73, .56-1(a), (c), (g)
Vinyl acetate	VAM	13	O	C	III	A	Yes	2	.50-70(a), .50-81(a), (b)

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: CBC 68
Official #: 1157193

Shipyard: Jeffboat
Hull #: 04-2180

Cargo Identification						Conditions of Carriage			
							Vapor Recovery		
Name	Chem Code	Compat Group	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 Construction
Ethyl alcohol	EAL	20 [2]	D	C		A	Yes	1	
Ethylbenzene	ETB	32	D	C		A	Yes	1	
Ethyl butanol	EBT	20	D	D		A	Yes	1	
Ethyl tert-butyl ether	EBE	41	D	C		A	Yes	1	
Ethyl butyrate	EBR	34	D	D		A	Yes	1	
Ethyl cyclohexane	ECY	31	D	D		A	Yes	1	
Ethylene glycol	EGL	20 [2]	D	E		A	Yes	1	
Ethylene glycol butyl ether acetate	EMA	34	D	E		A	Yes	1	
Ethylene glycol diacetate	EGY	34	D	E		A	Yes	1	
Ethylene glycol phenyl ether	EPE	40	D	E		A	Yes	1	
Ethyl-3-ethoxypropionate	EEP	34	D	E		A	Yes	1	
2-Ethylhexanol	EHX	20	D	E		A	Yes	1	
Ethyl propionate	EPR	34	D	C		A	Yes	1	
Ethyl toluene	ETE	32	D	E		A	Yes	1	
Formamide	FAM	10	D	E		A	Yes	1	
Furfuryl alcohol	FAL	20 [2]	D	E		A	Yes	1	
Gasoline blending stocks: Alkylates	GAK	33	D	A/C		A	Yes	1	
Gasoline blending stocks: Reformates	GRF	33	D	A/C		A	Yes	1	
Gasolines: Automotive (containing not over 4.23 grams lead per gallon)	GAT	33	D	C		A	Yes	1	
Gasolines: Aviation (containing not over 4.86 grams of lead per gallon)	GAV	33	D	C		A	Yes	1	
Gasolines: Casinghead (natural)	GCS	33	D	A/C		A	Yes	1	
Gasolines: Polymer	GPL	33	D	A/C		A	Yes	1	
Gasolines: Straight run	GSR	33	D	A/C		A	Yes	1	
Glycerine	GCR	20 [2]	D	E		A	Yes	1	
Heptane (all isomers), see Alkanes (C6-C9) (all isomers)	HMX	31	D	C		A	Yes	1	
Heptanoic acid	HEP	4	D	E		A	Yes	1	
Heptanol (all isomers)	HTX	20	D	D/E		A	Yes	1	
Heptene (all isomers)	HPX	30	D	C		A	Yes	2	
Heptyl acetate	HPE	34	D	D		A	Yes	1	
Hexane (all isomers), see Alkanes (C6-C9)	HXS	31 [2]	D	B/C		A	Yes	1	
Hexanoic acid	HXO	4	D	E		A	Yes	1	
Hexanol	HXN	20	D	D		A	Yes	1	
Hexene (all isomers)	HEX	30	D	C		A	Yes	2	
Hexylene glycol	HXG	20	D	E		A	Yes	1	
Isophorone	IPH	18 [2]	D	E		A	Yes	1	
Jet fuel: JP-4	JPF	33	D	E		A	Yes	1	
Jet fuel: JP-5 (kerosene, heavy)	JPV	33	D	D		A	Yes	1	
Kerosene	KRS	33	D	D		A	Yes	1	
Methyl acetate	MTT	34	D	D		A	Yes	1	
Methyl alcohol	MAL	20 [2]	D	C		A	Yes	1	
Methylamyl acetate	MAC	34	D	D		A	Yes	1	
Methylamyl alcohol	MAA	20	D	D		A	Yes	1	
Methyl amyl ketone	MAK	18	D	D		A	Yes	1	
Methyl tert-butyl ether	MBE	41 [2]	D	C		A	Yes	1	
Methyl butyl ketone	MBK	18	D	C		A	Yes	1	
Methyl butyrate	MBU	34	D	C		A	Yes	1	
Methyl ethyl ketone	MEK	18 [2]	D	C		A	Yes	1	
Methyl heptyl ketone	MHK	18	D	D		A	Yes	1	
Methyl isobutyl ketone	MIK	18 [2]	D	C		A	Yes	1	
Methyl naphthalene (molten)	MNA	32	D	E		A	Yes	1	
Mineral spirits	MNS	33	D	D		A	Yes	1	
Myrcene	MRE	30	D	D		A	Yes	1	

Certificate of Inspection

Cargo Authority Attachment

Explanation of terms & symbols used in the Table:

Cargo Identificatio

Name	The proper shipping name as listed in 46 CFR Table 30.25-1, 46 CFR Table 151.05, and 46 CFR Part 153 Table 2.
Chem Code	The three letter designation assigned to the cargo in the Chemical Hazards Response Information System (CHRIS) Manual.
none	Certain mixtures of cargoes may not have a CHRIS Code assigned.
Compatability Group No.	The cargo reactive group number assigned for compatibility determinations in 46 CFR Part 150 Tables I and II. In accordance with 46 CFR 150.130, the Person-in-Charge of the barge is responsible for ensuring that the compatibility requirements of 46 CFR Part 150 are met. Cargoes must be checked for compatibility using the figures, tables, and appendices of 46 CFR 150 in conjunction with the assigned reactive group number.
Note 1	Because of the very high reactivity or unusual conditions of carriage or potential compatibility problems, this product is not assigned to a specific group in the Compatibility Chart. For additional compatibility information, contact Commandant (G-MSO-3), U.S. Coast Guard, 2100 Second Street, SW, Washington, DC 20593-0001. Telephone (202) 267-1217.
Note 2	See Appendix I to 46 CFR Part 150 - exceptions to the compatability chart.
Subchapter	The subchapter in Title 46 Code of Federal Regulations under which the cargo has been classified.
Subchapter D	Those flammable and combustible liquids listed in 46 CFR Table 30.25-1.
Subchapter O	Those hazardous cargoes listed in 46 CFR Table 151.05 and 46 CFR Part 153 Table 2.
Note 3	Those cargoes listed in 46 CFR Part 153 Table 2 are non-regulated cargoes when carried in bulk on non-oceangoing barges.
Grade	The cargo classification assigned to each flammable or combustible liquid. Grades inside of "[ ]" indicate a provisional assignment based upon literature sources which were not verified by manufacturers data. The Person-in-Charge shall verify the cargo grade based on Manufacturers data and ensure that the barge is authorized for carriage of that grade of cargo.
A, B, C	Flammable liquid cargoes, as defined in 46 CFR 30-10.22.
D, E	Combustible liquid cargoes, as defined in 46 CFR 30-10.15.
Note 4	The flammability/combustibility grade of these cargoes may vary depending upon the flashpoint and Reid vapor pressure. The Person-in-Charge shall verify the cargo grade based on Manufacturers data and ensure that the barge is authorized for carriage of that grade of cargo.
NA	Those subchapter O cargoes which are not classified as a flammable or combustible liquid.
#	No flammability/combustibility grade has been assigned yet,as the necessary flash point/vapor pressure data for such assignments are presently not available.
Hull Type	The required barge hull classification for carriage of the specified Subchapter O hazardous material cargo, see 46 CFR 151.10-1.
I	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).
II	Designed to carry products which require significant preventive measures to preclude the uncontrolled release of cargo. See 46 CFR 151.10-1(b)(3).
III	Designed to carry products of sufficeint hazard to require a moderate degree of control. See 46 CFR 151.10-1(b)(4).
NA	Not applicable to barges certificated under Subchapter D.

Conditions of Carriag

Tank Group	The vessel's tank group (as defined in Section 4) which is authorized for carriage of the named cargo.
Vapor Recovery Approved (Y or N)	Yes: The vessel's VCS has been reviewed and approved by the MSC to control vapors of the specified cargo. No: The vessel's VCS has been reviewed and is not approved by the MSC to control vapors of the specified cargo.

Conditions of Carriag

Tank Group	The vessel's tank group (as defined under the "46 CFR Tank Group Characteristics" listed on page 1) which is authorized for carriage of the named cargo.
Vapor Recovery Approved (Y or N)	Yes: The vessel's VCS has been reviewed and approved by the MSC to control vapors of the specified cargo. No: The vessel's VCS has been reviewed and is not approved by the MSC to control vapors of the specified cargo.
VCS Category:	The specified cargo's provisional classification for vapor control systems.
Category 1	(No additional VCS requirements above those for benzene, gasolines and crude oil) All requirements applying to the handling of oil and hazardous materials in Titles 33 and 46 Code of Federal Regulations (CFR) apply to these cargoes. Those specifically dealing with vapor control systems are in 33 CFR 155.750, 33 CFR 156.120, 33 CFR 156.170, 46 CFR 35.35 and 46 CFR 39. The cargo tank venting system calculations (46 CFR 39.20-11) and the pressure drop calculations (46 CFR 39.30-1(b)) must use appropriate friction factors, vapor densities and vapor growth rates.
Category 2	(Polymerizes) Polymerization and residue build-up of these cargoes can adversely affect the vessel by fouling safety 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
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	(High vapor pressure and highly toxic) Must comply with requirements of Categories 1, 3 and 5.
Category 7	(High vapor pressure and polymerizes) Must comply with requirements of Categories 1, 2 and 5.
none	The cargo has not been evaluated/classified for use in vapor control systems.