22-22	De	United States	of America		Certificatio	on Date 23 Sep
	United States	Oact Curred	Expiration			
For ships on internat	Certifi	cate o	fIns	nort	ion	
essel Name		sinds the requirements of SO	LAS 74 as amended.	Regulation V/14, for	SAFE MANNIN 3	DOCUMENT
BC 221	Official Nur	INT	Number	Call Sign	Serve	14
	107719	34			Tan	ik Barge
lailing Port NEW ORLEANS, LA	н	ill Material	Horsepower	Tenso		
VEW ORLEANS, LA	s	teel		Propulsion		
UNITED STATES						
Place Built	Delive	ry Date Keel La d Date	Gross Tons	Net Tons	OWT	Length
GALVESTON TX	155	ep1999	R-1088	R-1088		R-200 0
UNITED STATES			k			10
CANAL BARGE COMPAN 1801 ENGINEERS ROAD BELLE CHASSE, LA 700 UNITED STATES This vessel must be mann	37 ed with the following	II B U Licensed and unlicer	ANAL BARGE 801 ENGINEEF ELLE CHASSE NITED STATES	RS ROAD , LA 70037 S	which there m	oust be
0 Certified Lifeboatmen, 0	Certified Tankermer	0 Chief Engineers	g, and 0 GMDS 0 Oil	S Operators.		
0 Masters 0 Chief Mates	0 Licensed Mates 0 First Class Pilots	0 First Assistant Engi				
0 Second Mates	0 Radio Officers	0 Second Assistant E				
0 Third Mates	0 Able Seamen	0 Third Assistant Eng U Licensed Engineers				
0 Master First Class Pilot 0 Mate First Class Pilots	0 Ordinary Seamen 0 Deckhands	0 Qualified Member E	ngineer			
0 Mate First Class Pilots In addition, this vessel ma Persons allowed: 0	y carry 0 Passengers	s, 0 Other Persons in	crew, 0 Person	s in addition t	o crew, and r	no Others, Total
Route Permitted And C -Lakes, Bays, an This vessel has been g 12: If this vessel is inspected using salt of writing as soon as this	d Sounds ranted a fresh wate s operated in salt	er service examina water more than 6 46 CFR 31.10-21(a	tion interval months in any)(1) and the c	in accordanc 12 month pr ognizant OCM	ce with 46 C eriod, the v di must be n	CFR 31.10-21:a) ressel must be not:fied in
***SEE NEXT PAGE With this Inspection for (entification having bee	en completed at Port	Arthur, TX, UNI	TED STATES	S, the Officer	in Charge, Manne
Inspection, Marine Safet laws and the rules and r Annual	y Unit Port Arthur certi agulations prescribed t /Periodic/Re-Inspectio	hereunder.	This certificate			
Date Zon	1	Signature	J.J. A	NDREW, CO	R, USCG. R	by direction
27.0172020 Chicup	P P A	111×	Officer in Charge, Man	ne Inspection		
21 Jul 2022 1851P	tern A Ar	andte	Inspection Zone	Marine Safet	y Unit Port A	withur
Dept of Home Sec . USEG. CG 841	(Rev 4 Deene C)					
						OMB No 2115-051

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For ships on interm		United States of bartment of Home United States Co Cate of Mills the requirements of SOLAS	ast Guard	ecti	ertification Date: xpiration Date: ON AFE MANNING DOCUMEN	23 Sep 2019 23 Sep 2024
Vessel Name	Official Num		umber	Call Sign	Service	70
CBC 221	1077194	•			Tank Barg	Je
Hailing Port	Charles Carl		August Start		C. M. H. S. In.	The second
NEW ORLEANS, LA			orsepower	Propulsion		Contraction and
UNITED STATES	St	eel				and the
Place Built	Deliver	y Date Keel Laid Date	Gross Tons	Net Tons	DWT	Length
GALVESTON TX		ep1999	R-1088	R-1088		R-200.0
UNITED STATES	1556	391999	۲	+		10
Owner CANAL BARGE COMPAI 1801 ENGINEERS ROAE BELLE CHASSE, LA 700 UNITED STATES This vessel must be mann) 37 ed with the following l	C 1/ B U licensed and unlice	erator ANAL BARGE 801 ENGINEE ELLE CHASSI NITED STATE	RS ROAD E, LA 7003 S	7 in which there mu	ust be
0 Certified Lifeboatmen, 0	Certified Tankermen	i, 0 HSC Type Ratir	ng, and 0 GMD	SS Operate	ors.	and the second second
0 Masters	0 Licensed Mates	0 Chief Engineers		Dilers		
0 Chief Mates	0 First Class Pilots 0 Radio Officers	0 First Assistant Eng 0 Second Assistant I	and the second second			
0 Second Mates 0 Third Mates	0 Able Seamen	0 Third Assistant En				
0 Master First Class Pilot	0 Ordinary Seamen	0 Licensed Engineer	rs			
0 Mate First Class Pilots	0 Deckhands	0 Qualified Member			and the second	
In addition, this vessel ma Persons allowed: 0	y carry 0 Passengers	, 0 Other Persons i	in crew, 0 Pers	ons in addi	tion to crew, and	no Others. Total
Route Permitted And C Lakes, Bays, and This vessel has been go (2). If this vessel is inspected using salt way writing as soon as this	Sounds canted a fresh wate s operated in salt ater intervals per	er service examin water more than 46 CFR 31.10-21				
***SEE NEXT PAGE For With this Inspection for Ce Inspection, Marine Safety aws and the rules and reg	ertification having bee Unit Port Arthur certi gulations prescribed t	en completed at Po ified the vessel, in the thereunder.	ort Arthur, TX, all respects, is	UNITED S	ity with the applic	
Annual/F	Periodic/Re-Inspectio	n			by dat	
Date Zone		Signature	The second second	and the second second	W, CDR, USCG	, By direction
27-007 2020 Chicago TU 7-AUG-2021 TBSZ	P P T	5	-		e Safety Unit Por	t Arthur
	and the second second	COMPANY AND DESCRIPTION OF THE OWNER	Inspection Zone			
	the second s	and the second second second	a second second	and the second second		

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·							Certification Date	e: 23 Sep 2019
					of America	it.	Expiration Date:	23 Sep 2024
	Department of Homeland Security United States Coast Guard				-	L <u></u>	23 Sep 2024	
			ificat certificate fulfills the requ				T SAFE MANNING DOCUMI	ENT.
Vessel Name			Official Number	IMO	Number	Call Sign	Service	
CBC 221			1077194				Tank Ba	rge
Hailing Port	NS, LA		Hull Material		Horsepower	Propulsio	on	
UNITED STA	TES		Steel					
Piace Built			Delivery Date	Keel Laid Date	Gross Tons	Net Tons	DWT	Length
GALVESTON	ITX		•		R-1088	R-1088		R-200.0
			15Sep1999		ŀ	F		1-0
UNITED STA	TES							
1801 ENGINE BELLE CHAS UNITED STA	SE, LA 70037 TES	vith the fo	kermen, 0 HSC	C 1 B U and unlice Type Ratir	ng, and 0 GMD	RS ROAD E, LA 7003 ES el. Includec SS Opera	37 I in which there mu	st be
0 Masters	01	licensed M	ates 0 Chief	Engineers	00	Dilers		
0 Chief Mates	; OF	irst Class	Pilots 0 First /	Assistant Eng	ineers			
0 Second Mat	ies O F	Radio Offic		nd Assistant 8	-			
0 Third Mates	; O <i>i</i>	Able Seame	an 0 Third	Assistant En	gineers			
0 Master First	t Class Pilot 00	Ordinary Se	amen 0 Licen	ised Engineen	s			
0 Mate First C		Deckhands		fied Member I	-			
In addition, thi Persons allow	is vessel may ca ved: 0	пу 0 Pas	sengers, 0 Othe	r Persons ir	n crew, 0 Perso	ons in addi	tion to crew, and no	Others. Total
	itted And Condi Bays, and Se						•	
(2). If thi inspected us	e more al is on	erated i interva	n salt water m 1s per 46 CFR	nore than (31.10-21(a	6 months in a	nv 12 mon	rdance with 46 CH th period, the ve t OCMI must be no	essei must be
	~							
	T PAGE FOR							
Inspection, Ma	arine Safety Unit	Port Arth	nur certified the	vessel, in al	t Arthur, TX, U Il respects, is ir	NITED ST conformit	ATES, the Officer i y with the applicabl	n Charge, Marine e vessel inspectio
laws and the I	rules and regulat Annual/Perio			<u> </u>	This certifica	6		- cor
Date	Zone	A/P/R	Signatu	ure	J.J	. ANDREV	V, CDR, USCG, By	direction
27-0072020	Chicago TBSII	2 <u>A</u>	pulitt	r	Officer in Charge, I		n Safety Unit Port Ari	hur
					Inspection Zone			

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



United States of America Department of Homeland Security United States Coast Guard Certification Date: 23 Sep 2019 Expiration Date: 23 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		Number	Call Sign	Service	Service		
CBC 221			1077194				Tank Ba	arge		
								0		
							N.2.	·		
Hailing Port			Hull Material	,	Horsepower	Propulsion				
NEW ORLE	ANS, LA									
			Steel							
UNITED STA	ATES									
Place Built			Deliver Dete	Keel Leid Dete	0 T	N-4 T	DIALT			
GALVESTO	N TX		Delivery Date	Keel Laid Date	Gross Tons R-1088	Net Tons R-1088	DWT	Length R-200.0		
			15Sep1999		K-1000	H-1000		H-200.0		
UNITED STA	ATES				F	F		~		
	GE COMPAN				erator	COMPANY IN	c			
	EERS ROAD				801 ENGINEEI		•			
BELLE CHAS	SSE, LA 7003	7			ELLE CHASSE					
UNITED STA	TES			U	NITED STATE	S				
			llowing licensed kermen, 0 HSC			. Included in wiss Operators.	hich there mu	ist be		
0 Masters		0 Licensed M	ates 0 Chief	Engineers	0 0	ilers				
0 Chief Mate	S	0 First Class	Pilots 0 First	0 First Assistant Engineers						
0 Second Ma	tes	0 Radio Offic	ers 0 Seco	nd Assistant E	ingineers					
0 Third Mate	S	0 Able Seame	n OThird	0 Third Assistant Engineers						
0 Master Firs	t Class Pilot	0 Ordinary Se	annen 0 Licer	sed Engineers	3					
0 Mate First (Class Pilots	0 Deckhands	0 Qual	ified Member E	Ingineer					
In addition, th Persons allow		carry 0 Pas	sengers, 0 Othe	r Persons in	crew, 0 Perso	ns in addition to	crew, and no	o Others. Total		
		nditions Of	Operation							
	nitted And Co Bays, and		•							
,	,,									
						. in accordanc ny 12 month pe		FR 31.10-21(a)		
						cognizant OCM				
writing as s	soon as this	change in	status occurs.							
SEE NE>	KT PAGE FO	R ADDITIO	NAL CERTIFI	CATE INFO	RMATION					
								in Charge, Marir		
					respects, is in	conformity with	the applicabl	e vessel inspect	tion	
laws and the			cribed thereund	er.			1 -1			
		nodic/Re-In	•			e issued by		= cor		
Date	Zone	A/P/R	Signatu	ıre	J.J.	ANDREW, CD	R, USCG, By	direction		
					Officer in Charge, M	arine Inspection				
						Marine Safety	Unit Port Ar	thur		
					Inspection Zone					



United States of America Department of Homeland Security United States Coast Guard Certification Date: 23 Sep 2019 Expiration Date: 23 Sep 2024

Certificate of Inspection

Vessel Name: CBC 221

Hull Exam	IS						
Exam Type	I	Next Exam Last		Prior Exa	Exam		
DryDock	;	31Aug2029	18Sep2019	25Aug20	009		
Internal Structure	e :	30Sep2024	18Sep2019	09Oct20	14		
Liquid/Ga	as/Solid Car	rgo Authority/Condi	itions				
Authorization:	Flammable/Co	ombustible Liquids and Sp	ecified Hazardous Car	goes			
Total Capacity	Units	Highest Grade Typ	e Part151 Regulate	d Part153 Regulated	Part154 Regulated		
16858	Barrels	Α	Yes	Νο	No		
Hazardous Bu	lk Solids Autho	ority					
Not Authorized							
Loading Cons	traints - Structu	ural					
Tank Location D	escription	Max Cargo Weigh	t per Tank (short tons)	Maximum Densi	ity (lbs/gal)		
1		1017		13.600			
2 P/S		465		13.600			
3		930		13.600			
Loading Const	traints - Stabili	ty					
Hull Type	Maximum Loa (short tons)	ad Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description			
111	2741	11ft Oin	13.60				
IH	2741	11ft Oin	13.60				

Conditions Of Carriage

Only those cargoes named in the vessel's Cargo Authority Attachment (CAA), serial #VN99001611, dated 30Aug01, and Grade "A" and lower cargoes may be carried and then only in the tanks indicated.

Per 46 CFR 150.130, the person in charge of the vessel is responsible for ensuring the compatibility requirements of 46 CFR 150 are met. Cargoes must be checked for compatibility using figures, tables, and appendices of 46 CFR 150 in conjunction with the reactive group number from the "Compat Group No" column is listed in the vessel's CAA.

When the vessel is carrying cargoes containing greater than 0.5% benzene, the person in charge is responsible for ensuring the provisions of 46 CFR 197, Subpart C, are applied.

Vapor Control Authorization

Per 46 CFR 39, excluding Part 39.40, this vessel's vapor control system (VCS) has been inspected to the plans approved by Marine Safety Center letter serial # VN9900164, dated 23 JUN 2000, and found acceptable for collection of bulk liquid cargo vapors from those specific Subchapter "D" cargoes contained in the that letter, and those specified hazardous cargoes annotated a "V" or "?" in the CAA.

The letter "V" in the note column of the CAA signifies approval for vapor control without any additional requirements.

The letter "T" in the note column of the CAA signifies that the cargo is highly toxic and that spill valves or rupture disks are not authorized as the primary means of overfill protection required by 46 CFR 39.20-9. A high level and overfill alarm is required by 46 CFR 39.20-7.

Stability and Trim

tin t



United States of America Department of Homeland Security United States Coast Guard Certification Date:23 Sep 2019Expiration Date:23 Sep 2024

Certificate of Inspection

Vessel Name: CBC 221

The maximum design density of cargo which may be filled to the tank top is 8.74 lbs/gal. Cargoes with higher densities, up to 13.6 lbs/gal, may be carried as slack loads, but shall not exceed the tank weight limits as listed above.

Per 46 CFR 151.10-15(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 ----

Cargo Tanks

	Internal Exam	า		External Exam				
Tank Id	Previous	Last	Next	Previous	Last	Next		
1	25Aug2009	18Sep2019	31Aug2029	-	-	-		
2 P/S	25Aug2009	18Sep2019	31Aug2029	-	-	-		
3	25Aug2009	18Sep2019	31Aug2029	-	-	-		
			Hydro Test					
Tank Id	Safety Valves	s	Previous	Last	Next			
1	-		-	-	-			
2 P/S	-		-	-	-			
3	-		-	-	-			

---Conditional Portable Fire Extinguisher Requirements---

Required Only During Transfer of Cargo or Operation of Barge Machinery

---- Fire Fighting Equipment ----

Fire Extinguishers - Hand portable and semi-portable

Quantity	Class Type
2	B-II

END



Department of Homeland Security United States Coast Guard

Serial #:	VN99001611
COI Ref:	30-Aug-01

Certificate of Inspection Cargo Authority Attachment

Vessel Name: CBC 221 Official #: D1077194

3

Page 1 of 2

Shipyard: NEWPARK SHIPBLDG. Hull #: 113

List of Authorized Cargoes

Cargo Identification						Conditions of Carriage		
	Chem	Comp Group No	at Exc	Grade	Hull Type	Note	Special Requirements in 46 CFR 151 General and Mat'ls of Construction	
Name	Code	NO			тура			
uthorized Subchapter O Cargoes							.50-81, .50-86	
Jkyl(C7-C9) nitrates	AKN	34	Y					
cetonitrile	ATN	37	N	С		Т	No	
Butyraldehyde (all isomers)	BAE	19	Ν	С		V	.55-1(h)	
Butyl acrylate (all isomers)	BAR	14	Ν	D	111	V	.50-70(a), .50-81(a), (b)	
enzene hydrocarbon mixtures (having 10% Benzene ormore)	BHB	32	N		111	V	.50-80	
iutyl methacrylate	BMH	14	N	D		V	.50-70(a), .50-81(a), (b)	
enzene	BNZ	32	N	С	- 111	V	.50-80	
enzene, Toluene, Xylene mixtures (having 10% Benzeneor more)	BTX	32	N	B/C		V	.50-80	
arbon tetrachloride	CBT	36	Ν		- 11		No	
creosote (all isomers)	CCW	21	Y	E	HI	V	No	
rude hydrocarbon feedstock (containing Butyraldehydesand Ethylpropyl acrolein)	CHG	0	N	С			No	
hlorobenzene	CRB	36	Ν	D		V	No	
Chloroform	CRF	36	Ν	E	III		No	
Cresols (all isomers)	CRS	21	Ν	E	Ш	V	No	
cyclopentadiene, Styrene, Benzene mixture	CSB	30	Ν	D	10	V	.50-60, .56-1(b)	
coal tar pitch (molten)	CTP	33	Ν	E	Ш		.50-73	
,1-Dichloroethane	DCH	36	Ν	С	111	V	No	
ichloromethane	DCM	36	N	NF	111		No	
,1-Dichloropropane	DPB	36	Ν	С	111	Т	No	
,3-Dichloropropane	DPC	36	Ν	С	111	т	No	
,2-Dichloropropane	DPP	36	N	С	Ш	т	No	
thyl acrylate	EAC	14	N	С	111	V	.50-70(a), .50-81(a), (b)	
-Ethylhexyl acrylate	EAI	14	N	Е	NI -	v	.50-70(a), .50-81(a), (b)	
thylene dichloride	EDC	36	Y	С	111	V	No	
thylene glycol monoalkyl ethers	EGC	40	N	D/E	IN	V	No	
thylene glycol hexyl ether	EGH	40	N	Е	ui -		No	
thylene glycol propyl ether	EGP	40	N	E	III	V	No	
P-Ethyl-3-propylacrolein	EPA	19	Y	E	111	v	No	
thylene cyanohydrin	ETC	20	N	E	111	V	No	
thyl methacrylate	ETM	14	N	С	111	V	.50-70(a)	
Furfural	FFA	19	N	E	111	V	.55-1(h)	
Formaldehyde solution (37% to 50%)	FMS	19	Y	D/E	111	V	.55-1(h)	
Slutaraldehyde solution (50% or less)	GTA	19	Ν	NF	IN		No	
lydrocarbon 5-9	HFN	30	N	A	10	v	.50-70(a), .50-81(a), (b)	
soprene	IPR	30	N	A	111		.50-70(a), .50-81(a), (b)	
Aethyl acrylate	MAM	14	N	c		v	.50-70(a), .50-81(a), (b)	
/ethylcyclopentadiene dimer	MCK	30	N	c		v	No	
Aethyl methacrylate	MMM	14	N			v	.50-70(a), .50-81(a), (b)	
Aesityl oxide	MSO	18	Y			v	No	
Ipha-Methylstyrene	MSR	30	N			·	.50-70(a), .50-81(a), (b)	
	NCT	33	N			v	.50-73	
coal tar naphtha solvent	NPM	42	N			v	.50-81	
	PAN	11	N			v	No	
hthalic anhydride (molten)	PDE	30	N			v	.50-70(a), .50-81	
,3-Pentadiene	PDE	30	N				No	
erchloroethylene			- N - Y				.50-73	
odium chlorate solution (50% or less)	SDD	0	T	NF				
Styrene (crude)	STX	30	N	С	IN	v	No	

*** 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

VN99001611
30-Aug-01

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: CBC 221 Official #: D1077194

Page 2 of 2

Shipyard: NEWPARK SHI Hull #: 113

Cargo Identifica	Conditions of Carriage						
Name	Chem Code	Comp Group No	[Grade	Hull Type	Note	Special Requirements in 46 CFR 151 General and Mat'ls of Construction
1,2,4-Trichlorobenzene	TCB	36	N	E	IIŧ	v	No
Trichloroethylene	TCL	36	Υ		111	V	No
1,1,2,2-Tetrachloroethane	TEC	36	Ν	NF	IH		No
Tetrahydrofuran	THF	41	N	С	III		.50-70(b)
Vinyl acetate	VAM	13	N	С	III	V	.50-70(a), .50-81(a), (b)

Explanation of terms & symbols used in the Table:

Cargo Identificatio Name Chem Code	The proper shipping name as listed in 46 CFR Table 151.05. The three letter designation assigned to the cargo in the Chemical Hazards Response Information System (CHRIS) Manual.
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.
Exceptions (Exc)	Indication of whether or not there are exceptions to the compatibility chart for the given cargo. See Appendix I to 46 CFR Part 150.
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.
NA, NF	Those subchapter O cargoes which are not classified as a flammable or combustible liquid.
#	No flammability/combustibility grade has been assigned yet, as the necessary flash point/vapor pressure data for such assignments are presently not available.
Huli Type I II II Hil Conditions of Carriaç Note	The required barge hull classification for carriage of the specified Subchapter O hazardous material cargo, see 46 CFR 151.10-1. Designed to carry products which require the maximum preventive measures to preclude the uncontrolled release of the cargo. See 46 CFR 151.10-1(b)(1). Designed to carry products which require significant preventive measures to preclude the uncontrolled release of cargo. See 46 CFR 151.10-1(b)(3). Designed to carry products of sufficient hazard to require a moderate degree of control. See 46 CFR 151.10-1(b)(4). See Certificate of Inspection for explaination of symbols used in this column.