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

Certification Date:	12 Feb 2025
Expiration Date:	12 Feb 2030

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
CCL-3	296363			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	15Dec1964		R-822 I-	R-822 I-		R-195.1 I-0

Owner
CHEM CARRIERS LLC
1237 HIGHWAY 75
SUNSHINE, LA 70780
UNITED STATES

Operator
CHEM CARRIERS LLC
1237 HIGHWAY 75
SUNSHINE, LA 70780
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.

SEE NEXT PAGE FOR ADDITIONAL CERTIFICATE INFORMATION

With this Inspection for Certification having been completed at Port Arthur, TX, UNITED STATES, the Officer in Charge, Marine Inspection, Marine Safety Unit Port Arthur 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

This certificate issued by: L. L. Woodman
L. L. WOODMAN, CDR, USCG, By direction
Officer in Charge, Marine Inspection
Marine Safety Unit Port Arthur
Inspection Zone

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

Certification Date:	12 Feb 2025
Expiration Date:	12 Feb 2030

Certificate of Inspection

Vessel Name: CCL-3

---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
DryDock	28Feb2035	12Feb2025	03Mar2015
Internal Structure	28Feb2030	12Feb2025	26Feb2020

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

Authorization: SPECIFIED HAZARDOUS CARGOES

Total Capacity	Units	Highest Grade Type	Part151 Regulated	Part153 Regulated	Part154 Regulated
10753	Barrels		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	629	13.60
2 C/L	634	13.60
3 C/L	634	13.60

Loading Constraints - Stability

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
III	1632	10ft 2in	13.50	LAKES, BAYS AND SOUNDS
III	1650	10ft 3in	12.70	LAKES, BAYS AND SOUNDS
III	1685	10ft 5in	8.70	LAKES, BAYS AND SOUNDS
III	1808	11ft 0in	13.50	RIVERS

Conditions Of Carriage

Only those specified hazardous cargoes named in the vessel's Cargo Authority Attachment (CAA), serial No. C2-0503426, dated 10-Jan-05, may be carried. The specified hazardous cargoes may be carried 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.

Vessel is not covered by a benzene monitoring program IAW 46 CFR 197, Subpart C. Vessel is not authorized to carry Benzene or Benzene containing cargoes with a Benzene concentration of 0.5% or more.

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.

Oil Prohibition

This vessel is prohibited from carrying those cargoes that are considered an "oil" for the purposes of the Federal Water Pollution Control Act as amended by the Oil Pollution Act of 1990 which requires a vessel response plan in accordance with 33 CFR 155, Subpart D

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

Certification Date:	12 Feb 2025
Expiration Date:	12 Feb 2030

Certificate of Inspection

Vessel Name: CCL-3

--- Inspection Status ---

Cargo Tanks

	Internal Exam			External Exam		
Tank Id	Previous	Last	Next	Previous	Last	Next
1 C/L	03Mar2015	12Feb2025	28Feb2035	-	-	-
2 C/L	03Mar2015	12Feb2025	28Feb2035	-	-	-
3 C/L	03Mar2015	12Feb2025	28Feb2035	-	-	-

		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	40-B

END

Department of Homeland Security
United States Coast Guard

Serial #: *C2-0503426*
Generated: *10-Jan-05*

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: **CCL-3**
Official #: 296363

Shipyard: Jeffboat
Hull #: 1308

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	1-3C	13.6	Atmos.	Amb.	III	1ii 2ii	Integral Gravity	PV	Closed	II	G-1	NR	NA	None	40-1(f)(1), .50-60, .50-70(a), .50-70(b), .50-73,	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									
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)
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)
Cresylate spent caustic	CSC	5	O	NA	III	A	No	N/A	.50-73, .55-1(b)
Dichloromethane	DCM	36	O	NA	III	A	No	N/A	No
2,4-Dichlorophenoxyacetic acid, diethanolamine salt solution	DDE	43	O	NA	III	A	No	N/A	.56-1(a), (b), (c), (g)
2,4-Dichlorophenoxyacetic acid, dimethylamine salt solution	DAD	0 [1,2]	O	NA	III	A	No	N/A	.56-1(a), (b), (c), (g)
2,4-Dichlorophenoxyacetic acid, dimethylamine salt solution (70% or less)	DDA		O		III	A	No	N/A	.55-1(b)
2,4-Dichlorophenoxyacetic acid, triisopropanolamine salt solution	DTI	43 [2]	O	NA	III	A	No	N/A	.56-1(a), (b), (c), (g)
Glutaraldehyde solution (50% or less)	GTA	19	O	NA	III	A	No	N/A	No
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)
Perchloroethylene	PER	36	O	NA	III	A	No	N/A	No
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	No	N/A	.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)
1,1,2,2-Tetrachloroethane	TEC	36	O	NA	III	A	No	N/A	No
1,1,2-Trichloroethane	TCM	36	O	NA	III	A	No	N/A	.50-73, .56-1(a)
Trichloroethylene	TCL	36 [2]	O	NA	III	A	No	N/A	No
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)

*** *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 #: *C2-0503426*
Generated: *10-Jan-05*

Certificate of Inspection

Cargo Authority Attachment

Vessel Name: **CCL-3**
Official #: 296363

Shipyard: Jeffboat
Hull #: 1308

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.

DHS, USCG, CG-1270 (REV. 01-23)

OMB APPROVED
1625-0027

UNITED STATES OF AMERICA

DEPARTMENT OF HOMELAND SECURITY
UNITED STATES COAST GUARD

NATIONAL VESSEL DOCUMENTATION CENTER

CERTIFICATE OF DOCUMENTATION

VESSEL NAME	OFFICIAL NUMBER	IMO OR OTHER NUMBER	YEAR COMPLETED
CCL-3	296363	NONE	1964

HAILING PORT	HULL MATERIAL	MECHANICAL PROPULSION
NEW ORLEANS LA	STEEL	NO

GROSS TONNAGE	NET TONNAGE	LENGTH	BREADTH	DEPTH
822 GRT	822 NRT	195.1	35.1	10.5

PLACE BUILT

JEFFERSONVILLE IN

OWNERS

CHEM CARRIERS LLC
COMPRISED OF ONE MEMBER

OPERATIONAL ENDORSEMENTS

COASTWISE

MANAGING OWNER

CHEM CARRIERS LLC
1237 HIGHWAY 75
SUNSHINE LA 70780

RESTRICTIONS

NONE

ENTITLEMENTS

NONE

REMARKS

NONE

ISSUE DATE

NOVEMBER 13, 2025

THIS CERTIFICATE EXPIRES

NOVEMBER 30, 2026

Christopher G. Wadsworth

DIRECTOR, NATIONAL VESSEL DOCUMENTATION CENTER

PREVIOUS EDITION OBSOLETE, THIS CERTIFICATE MAY NOT BE ALTERED

U.S. COAST GUARD

National Pollution Funds Center

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VESSEL NAME	VESSEL TYPE	HULL TYPE	GROSS TONNAGE	COFR NUMBER	EFFECTIVE DATE	EXPIRATION DATE	COFR APPLICANT	VIN	INSURANCE CANCEL FLAG
CCL 3	TANKBARGE	D	822	841310 - 21	10/3/2023	10/3/2026	CHEM CARRIERS, L.L.C	D296363	
CCL 30	TANKBARGE	D	735	841310 - 21	10/1/2023	10/1/2026	CHEM CARRIERS, L.L.C	D1305871	
CCL 31	TANKBARGE	D	735	841310 - 21	10/1/2023	10/1/2026	CHEM CARRIERS, L.L.C	D1305870	
CCL 32	TANKBARGE		735	841310 - 21	11/13/2020	11/13/2023	CHEM CARRIERS, L.L.C	D1305869	
CCL 33	TANKBARGE		735	841310 - 21	11/13/2020	11/13/2023	CHEM CARRIERS, L.L.C	D1305868	

< Prev Next >

Version 3.7 -- This version is designed for Internet Explorer, Edge, Chrome, Firefox and Safari.

Ksolv

BARGE PIPING LETTER

INSTURCTIONS: ALL FIELDS ARE REQUIRED. USE N/A ON ANY NON-APPLICABLE LINE.

BARGE OWNER/BARGE NAME: CHEM CARRIERS / CCL-3

Letter expiration date (one year from test date): 1-31-2027

NOTE: Test results are valid for (1) year from the date of test.

1. Cargo Piping and Valves (actual date of test): 1-31-26

   Test Pressure (188 psi): 188 psi

2. Cargo Relief Valve (actual date of test): 1-31-26

   Test Pressure (125 psi): 125 psi

3. Cargo Pressure Gauge (actual date of test): 1-31-26

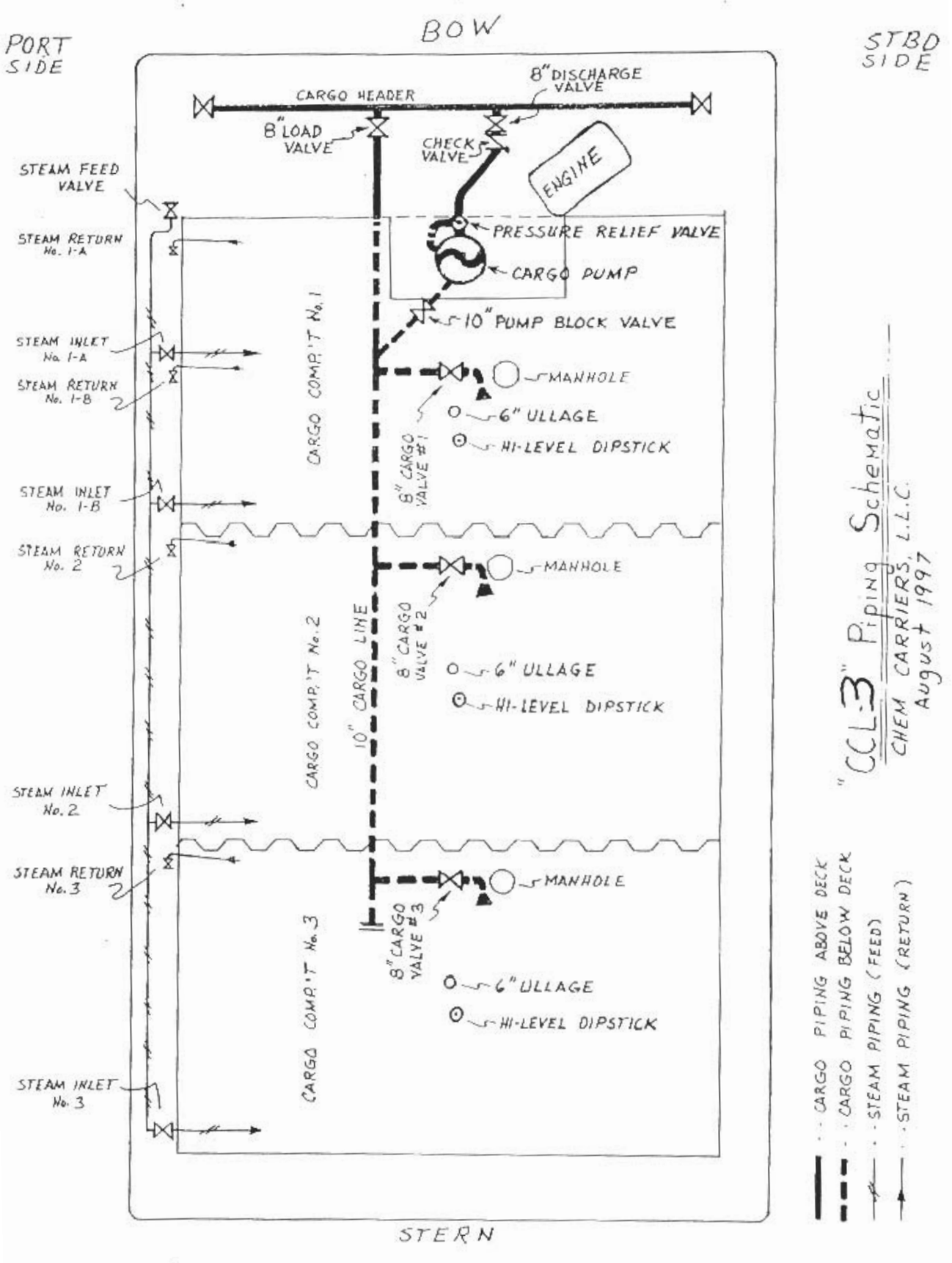
   Percent of Accuracy (%): 98 %

4. Steam Piping and Relief Valves (actual date of test): 1-31-26

   Test Pressure (125 psi): 125 psi

Signature of Tester:	[signature]
Printed Name of Tester:	FELIX HUIZAR
Company/Location of Tester:	KSOLV/Channelview TX

1015 Lakeside Dr, Channelview, TX 77530
Phone: 281-452-4000 Fax: 281-452-5523
Revised 10/03/2019



"CCL3" Piping Schematic

CHEM CARRIERS, L.L.C.

August 1997

INDUSTRIAL & MARINE VALVE, LLC

3032 S. Ruby Street, Gonzales, LA 70737
Phone: (225) 644-9220 Email: imvalve@att.net

SAFETY/ RELIEF VALVE REPAIR INSPECTION FORM

Job #: IM 6541 #A
Customer: Chem Carriers
Customer PO #: CCI-3
Date: 4-19-23
Promised Return: Rush
Date of Last Repair: 2/20
Set Pressure-cust. Request: 1.5 psi x -.5 psi
Nameplate Set Pressure: 1.5 psi x -.5 psi
Original ASME Code Stamp:
Service:
Inlet: 2½" FNPT
Temp.:
Required work: TEST ONLY RE-SET (COMPLETE REBUILD) PRE-TEST

Manufacturer: Midland
Type:
Size: 2½"
Serial #: N/A
Lift: N/A
Capacity: N/A
Required Spring #: N/A
Spring Received in Valve: N/A
Construction: P/V
Body/ Bonnet Mat'l.: Stainless
Outlet: Open Vent

GENERAL CONDITION AND REPAIRS

INLET
__ Good
__ Cut
__ Corroded
__ Pitted
__ Repaired
__ Dirty

OUTLET
__ Good
__ Cut
__ Corroded
__ Pitted
__ Repaired
__ Dirty

NOZZLE
__ Good
__ Corroded
__ Pitted
__ Cut-Gouged
__ Dimensions
__ Dirty
__ Machined
__ Lapped
__ Full of Product

DISC
__ Good
__ Corroded
__ Pitted
__ Cut-Gouged
__ Dimensions
__ Dirty
__ Machined
__ Lapped
__ Full of Product

DISC HOLD
__ Good
__ Corroded
__ Pitted
__ Galled
__ Dimensions
__ Dirty
__ Full of Product

GUIDE
__ Good
__ Corroded
__ Pitted
__ Galled
__ Dimensions
__ Dirty

BELLOWS
___ GOOD
___ BAD
___ REPLACED
___ DIRTY

SPRING
___ GOOD
___ CORRODED
___ PITTED
___ BROKEN
___ DIRTY
___ REPLACED

REMARKS:
This valve is repaired and ready for service.

PERFORMANCE TEST

Test criteria:
Technician performing test D. Stevenson
Blowdown N/A
Back pressure test N/A
Final valve inspection Good

Test media Air
Set pressure 1.5 psi x -.5 psi
Seat tightness .8 psi
Witness D.S.
Approved D.S.

INDUSTRIAL & MARINE VALVE, LLC
3032 S. Ruby Street, Gonzales, LA 70737
Phone: (225) 644-9220 Email: imvalve@att.net

SAFETY/ RELIEF VALVE REPAIR INSPECTION FORM

Job #: IM 6541 #B
Customer: Linde Gases
Customer PO #: CGL-3
Date: 4-19-23
Promised Return: Rush
Date of Last Repair: 2/20
Set Pressure-cust. Request: 1.5psi x -.5psi
Nameplate Set Pressure: 1.5psi x -.5psi
Original ASME Code Stamp:
Service:
Inlet: 2½" FNPT
Temp.:

Manufacturer: Midland
Type: N/A
Size: 2½"
Serial #: N/A
Lift: N/A
Capacity: N/A
Required Spring #: N/A
Spring Received in Valve: N/A
Construction: P/V
Body/ Bonnet Mat'l.: Stainless
Outlet: Open Vent

Required work: TEST ONLY RE-SET (COMPLETE REBUILD) PRE-TEST

GENERAL CONDITION AND REPAIRS

INLET
__ Good
__ Cut
__ Corroded
__ Pitted
__ Repaired
__ Dirty

OUTLET
__ Good
__ Cut
__ Corroded
__ Pitted
__ Repaired
__ Dirty

NOZZLE
__ Good
__ Corroded
__ Pitted
__ Cut-Gouged
__ Dimensions
__ Dirty
__ Machined
__ Lapped
__ Full of Product

DISC
__ Good
__ Corroded
__ Pitted
__ Cut-Gouged
__ Dimensions
__ Dirty
__ Machined
__ Lapped
__ Full of Product

DISC HOLD
__ Good
__ Corroded
__ Pitted
__ Galled
__ Dimensions
__ Dirty
__ Full of Product

GUIDE
__ Good
__ Corroded
__ Pitted
__ Galled
__ Dimensions
__ Dirty

BELLOWS
____ GOOD
____ BAD
____ REPLACED
____ DIRTY

SPRING
____ GOOD
____ CORRODED
____ PITTED
____ BROKEN
____ DIRTY
____ REPLACED

REMARKS:
The valve is repaired and ready for service

PERFORMANCE TEST

Test criteria:
Technician performing test D. Steuer
Blowdown N/A
Back pressure test N/A
Final valve inspection Good

Test media Air
Set pressure 1.5 psi x -.5psi
Seat tightness .9 psi
Witness
Approved

INDUSTRIAL & MARINE VALVE, LLC

3632 S. Ruby Street, Gonzales, LA 70737
Phone: (225) 644-9220 Email: imvalve@att.net

SAFETY/ RELIEF VALVE REPAIR INSPECTION FORM

Job #: 6541 C
Customer: Chem Carriers
Customer PO #: CCL-3
Date: 4/19/23
Promised Return: As Soon As Possible
Date of Last Repair: 2/20
Set Pressure-cust. Request: 1psi pcss / .5psi VAC
Nameplate Set Pressure: 1psi pcss / .5psi VAC
Original ASME Code Stamp: N/A
Service: N/A
Inlet: 2"
Temp.: N/A

Manufacturer: Midland
Type: N/A
Size: Top Vent
Serial #: N/A
Lift: N/A
Capacity: N/A
Required Spring #: N/A
Spring Received in Valve: N/A
Construction: Vent Valve
Body/ Bonnet Mat'l.: CF8M
Outlet: Top Vent

Required work: TEST ONLY RE-SET (COMPLETE REBUILD) PRE-TEST

GENERAL CONDITION AND REPAIRS

INLET	OUTLET	NOZZLE	DISC	DISC HOLD	GUIDE
___ Good	___ Good	✓ Good	✓ Good	✓ Good	✓ Good
___ Cut	___ Cut	___ Corroded	___ Corroded	___ Corroded	___ Corroded
___ Corroded	___ Corroded	___ Pitted	___ Pitted	___ Pitted	___ Pitted
___ Pitted	___ Pitted	___ Cut-Gouged	___ Cut-Gouged	___ Galled	___ Galled
___ Repaired	___ Repaired	___ Dimensions	___ Dimensions	___ Dimensions	___ Dimensions
✓ Dirty	✓ Dirty	___ Dirty	___ Dirty	___ Dirty	___ Dirty
		___ Machined	___ Machined	___ Full of Product	
		___ Lapped	___ Lapped		
		___ Full of Product	___ Full of Product		

BELLOWS	SPRING
___ GOOD	___ GOOD
___ BAD	___ CORRODED
___ REPLACED	___ PITTED
___ DIRTY	___ BROKEN
	___ DIRTY
	___ REPLACED

REMARKS:
Replaced Press Quad ring
VAC Quad ring
Polished stem

PERFORMANCE TEST

Test criteria: API-527
Technician performing test: LeRay Precia Jr
Blowdown N/A
Back pressure test N/A
Final valve inspection Good

Test media Air
Set pressure 1psi Press / .5psi VAC
Seat tightness .75psi press / .375 psi VAC
Witness
Approved

CARGO TRANSFER PROCEDURES

CHEM CARRIERS L.L.C.

TRANSFER FROM BARGE TO DOCK

PARTS

1. **PRODUCTS TRANSFERRED**
2. **DESCRIPTION OF SYSTEM**
3. **PERSONS ON DUTY**
4. **PERSONS IN CHARGE**
5. **EMERGENCY SHUTDOWN**
6. **TOPPING OFF PROCEDURE**
7. **COMPLETION OF TRANSFER**
8. **REPORTING CARGO SPILLS**
9. **VESSEL CLOSURES**
10. **PRODUCT DATA**
    Barge CCL 3

PARTS 1. <u>PRODUCTS TRANSFERRED</u>

33 CFR 155.750 (a) (1) (i)

This vessel is certificated for the carriage of grades “A” and lower Sub-Chapter (D) and (O) Products. Reference Certificate of Inspection.

PARTS 2. <u>DESCRIPTION OF CARGO TRANSFER SYSTEM</u>

33 CFR 155.750 (a) (2) (i) (ii)

The standard cargo transfer procedures apply to all Chem Carrier L.L.C. owned or leased tank barges. In most cases other than series built barges, the cargo piping arrangement is usually slightly different on every barge, and for this reason, the piping diagram must be studied before loading or discharging a barge. The basic concept for loading and discharging is fairly standard depending on the location of the pump.

A. (Reference the piping diagram for transfer system arrangement.)

B. PROCEDURES FOR THE CONTAINMENT SYSTEM
33 CFR 155.310 (a) (1) (iv)
33 CFR 155.750 (a) (2) (iii)

The containment pans are equipped with a drain for the removal of slops to shore facilities:

<u>NEVER DRAIN THE CONTAINMENT TANKS ONTO THE DECK.</u>

PARTS 3. PERSONS ON DUTY DURING TRANSFER

33 CFR 155.750 (a) (3)

Number of persons required to be on duty during transfer operations:

At no time during the transfer operation will be less than one responsible person on duty. The certified tankerman assigned shall be in charge and responsible for the safe transfer of cargo.

PARTS 4. PERSONS IN CHARGE

The tankerman (person in charge) is responsible for transferring cargo and carrying out related operations on board in an efficient, safe, and pollution free manner. The tankerman whether employed by the towboat, owner, operator, a shore tankerman service, or Chem Carriers L.L.C., shall comply with all Coast Guard, State and local regulations. Tankerman's responsibility shall include but not be limited to the following:

A. To have on his/her person a valid merchant marine document endorsed as tankerman, certified to handle the grade of cargo to be transferred.

B. Make a thorough inspection of the barge prior to the start of transfer operation.

C. To have proper connection of the grounding cable.

D. The vessel's moorings are adequate to hold during all expected conditions of surge, current, wind, tide, etc., and lines are long enough to allow for surge, tide, wind, changes in draft etc.

E. Proper hose sizes, lengths, support, and connections.

F. The condition of fire extinguishers and required number.

F. The person in charge of transfer operations on the transferring vessel or facility and the person in charge of transferring operations on the receiving vessel or facility agree to begin the transfer operations.

H. The transfer operation between tank barges and dock facilities should be lighted between sunset and sunrise to comply with the U. S. Coast Guard regulation pertaining to the displaying of lights on barges as required by Title 33.

PARTS 5. EMERGENCY SHUTDOWN

33 CFR 155.750 (a) (6)

THE EMERGENCY SHUTDOWN IS LOCATED NEAR THE CENTER OF THE BARGE.

A. In the event of an emergency, transfer operations can be stopped by pulling the remote shutdown cable.

B. Familiarize yourself with its location and operation prior to transfer

PARTS 6. TOPPING OFF PROCEDURES

33 CFR 155.750 (a) (7)

In the process of topping off, tanks should be loaded at different levels to top off one at a time. Extra care should be taken to avoid over pressuring the connections, and hoses by closing valves against the receiving line. Since barges and facilities vary in their systems, no standard for topping off exist, but the following should be considered:

A. The closing of one tank increases the rate of flow to other tanks on the same line.

B. Always consider temperature and cargo in accordance with the amount of expansion that should be allowed.

C. Always maintain communications with dock or shore personnel.

D. CCL 3 is equipped with an overhead load line with a load valve for each cargo tank. This line is intended for use in the caustic soda trade to load over frozen sumps.

PARTS 7. COMPLETION OF TRANSFER

33 CFR 155.750 (a) (8)

Upon the completion of the transfer all pipelines should be vented and drained into cargo tanks. The header valve used during the operation should than be closed, sealed off with a blind flange and shore personnel should seal lines and hatches on vessel.

PARTS 8. REPORTING CARGO SPILLS

33 CFR 155.750 (a) (9)

Should an accidental discharge of product occur, you should consider the following:

A. Locate the source of the spill and try to stop it, if possible, and safe to do so.

B. Make an attempt to contain the product if possible.
C. Notify the Coast Guard. The national Response Center at 1-800-424-9300.

D. Notify Chem Carriers L.L.C. at (225) 642-0060.

E. If loading, transfer the cargo from the leaking tank to an adjacent tank or back to the dock if safe to do so.

F. If discharging, pump the product from the leaking tank as quickly as possible if safe to do so.

***When reporting a spill, the tankerman should provide the following information:**

A. Name (his or her)
B. Name of Company: (employed by; contracted by)
C. Name of Barge
D. Spill Location
E. Specify Product
F. Estimate Quantity of Spill
G. Weather, Tide, Sea and Current Conditions
H. Cause of Spill
I. Action Being Taken to Contain and Stop Spill

PART 9. CLOSURES ON VESSELS

Upon completion of cargo transfer operations, all tank hatch covers, ullage covers, and gauging device covers shall be dogged down and secured. In addition, the vent drain valves, if installed, should be secured and left in the proper position. All drain valves should be closed, and drip pan covers, if installed, should be made up tight. Covers for void spaces, bow and stern compartments shall be secured at all times and checked for tightness. Closing devices on clean-out hatches and clean-out opening should be checked, especially when the barge is loaded.

PART 10. PRODUCT DATA

See specific MSDS sheets provided with these procedures.

Incase of any other emergency, immediately shut down and notify the transferring facility, and Chem Carriers L.L.C.

(225) 642-0060 24 Hour Line.

VESSEL INCIDENT / ACCIDENT NOTIFICATION CHART

Incidents that involve injury or illness, spill / pollution or a probable discharge, significant equipment failure, property damage, cargo related issues, service delays or any accident involving a Chem Carriers Towing, LLC vessel or crewmember shall be immediately called into the Chem Carriers Towing, LLC 24-hour Emergency Hotline at 225-642-0060

Master Standing the Watch

Once the situation has been stabilized and all safety issues have been addressed, immediately contact the Chem Carriers Towing, LLC Emergency Hotline (225-642-0060)

Any serious marine incident, or any incident that has the potential to become a serious marine incident, alcohol testing shall be conducted on all involved crewmembers within 2 hours, whether onboard the vessel or at a testing facility.

NATIONAL Response Center

1-800-424-8802
or
1-202-267-2675

MADANTORY for all pollution incidents on CCT equipment

Chem Carriers Towing, LLC Emergency Hotline

Qualified Individual (QI)

225-642-0060

State Notifications

Louisiana 225-925-6595
Mississippi 601-987-1212
Texas 409-924-5400

USCG COTP ZONES

Baton Rouge 225-298-5400
New Orleans 504-365-2200
Morgan City 985-380-5320
Lake Charles 337-721-5741

Oil Spill Removal Organization
Customer
Internal

Reference Emergency Response Guidelines for a Complete List of Required Notifications

U.S. Department of Homeland Security
United States Coast Guard

Commanding Officer
United States Coast Guard
Marine Safety Center

US Coast Guard Stop 7430
2703 Martin Luther King Jr. Ave. SE
Washington, DC 20593-7430
Staff Symbol: MSC-5
Phone: (202) 795-6729
Email: securityplaninfo@uscg.mil

16710
VS-326893
October 16, 2024

Chem Carriers, LLC
Attn: Robert Banta
1237 Hwy 75
Sunshine, LA 70780
robert@chemcarriers.com

Subj: CHEM CARRIERS, LLC VESSELS
VESSEL SECURITY PLAN APPROVAL

Ref: (a) Your correspondence dated September 18, 2024
(b) Title 33 Code of Federal Regulations (CFR) Part 104

Dear Mr. Banta:

We have conducted a review of the Vessel Security Plan (VSP) submitted with reference (a) in accordance with reference (b) and it is "**Approved**." The list of vessels covered by this letter is attached as enclosure (1).

Your vessels must operate in compliance with this approved VSP and the requirements contained in reference (b). You are reminded to immediately report any deviation from this approved plan to the local Captain of the Port (COTP)/Officer in Charge, Marine Inspection (OCMI).

This approval will remain valid until five years from the date of this letter unless rescinded in writing by the local COTP/OCMI. You must review your plans annually and submit any amendments to this office for approval. Please ensure that a copy of the VSP is maintained on board the vessels if manned, or, if unmanned, at a suitable secure location so that it is readily available during an emergency or security incident. You shall make available to the Coast Guard, upon request, this letter, the VSP and any information related to the implementation of the VSP. Our Case Number for this plan is 326893. Please ensure that all future correspondence includes this Case Number.

Sincerely,

K. C. WILLIAMS
Lieutenant Commander, U.S. Coast Guard
Chief, Vessel Security Division
By direction

Enclosure: (1) List of Vessels Covered

List of Vessels Covered

Vessel Name	Official Number (O.N.)
CCL-1	518612
CCL 2	510107
CCL-3	296363
CCL 4	512519
CCL-5	512520
CCL-6	530996
CCL7	551980
CCL 8	551982
CCL 9	551983
CCL 10	551979
CCL 11	551976
CCL 14	1164451
CCL 15	1164452
CCL 16	1164666
CCL 17	1166179
CCL 18	1168981
CCL 19	1168980
CCL 20	1191598
CCL 21	1191599
CCL 22	1191600
CCL 23	1191601
CCL 24	1196547
CCL 25	1196548
CCL 26	1203816
CCL 27	1203817
CCL 28	1212828
CCL 29	1212829
CCL 30	1305871
CCL 31	1305870
CCL 32	1305869
CCL 33	1305868
CCL 401	1216671
CCL 402	1219910
CCL 403	1231311
CCL 404	1231312
CCL 405	1236867
CCL 406	1236866
CCL 407	1246320
CCL 408	1246097
CCL 409	1246098
CCL 410	1255906
CCL 411	1255907
CCL 414-L	1262941

Vessel Name	Official Number (O.N.)
CCL 415-T	1262942
CCL 416-T	1264691
CCL 417 T	1298307
CCL 418-L	1306896
CCL 419-L	1306897
CCL 420-T	1348560
CCL 421-T	CG1843359
HFL 413	1237482
HFL 415	1237483
HFL 435	1236563
HFL 605	1237484

CCL3

E. W. SAYBOLT & CO., INC.
JOS. M. MICHAEL — JOS. M. MICHAEL, JR.
APPROVED AND LICENSED BY THE NEW YORK PRODUCE EXCHANGE
INSPECTORS OF PETROLEUM
GENERAL HEADQUARTERS
ESS HATWAY
ELIZABETH, N. J.

TANK GAUGE TABLE

NO. 1

GAUGE HEIGHT 151-11 3/4"

DIMAGE TABLE

IN	0 FT	IN	1 FT	IN	2 FT	IN	3 FT	IN	4 FT	IN	5 FT	IN	6 FT	IN	7 FT	IN	8 FT	IN	9 FT	IN	10 FT	IN	11 FT	IN
0	22	0	8 090	0	19 366	0	30 916	0	42 456	0	54 015	0	65 575	0	77 134	0	88 693	0	100 253	0	111 812	0	123 372	0
¼	37	¼	8 311	¼	19 606	¼	31 156	¼	42 697	¼	54 256	¼	65 816	¼	77 375	¼	88 934	¼	100 494	¼	112 053	¼	123 613	¼
½	53	½	8 532	½	19 847	½	31 396	½	42 938	½	54 497	½	66 056	½	77 616	½	89 175	½	100 735	½	112 294	½	123 854	½
¾	68	¾	8 753	¾	20 088	¾	31 636	¾	43 178	¾	54 738	¾	66 297	¾	77 857	¾	89 416	¾	100 975	¾	112 535	¾	124 094	¾
1	84	1	8 974	1	20 329	1	31 876	1	43 419	1	54 979	1	66 538	1	78 097	1	89 657	1	101 216	1	112 776	1	124 335	1
¼	162	¼	9 198	¼	20 570	¼	32 117	¼	43 660	¼	55 219	¼	66 779	¼	78 338	¼	89 898	¼	101 457	¼	113 017	¼	124 576	¼
½	240	½	9 423	½	20 811	½	32 357	½	43 901	½	55 460	½	67 020	½	78 579	½	90 138	½	101 698	½	113 257	½	124 817	½
¾	319	¾	9 647	¾	21 051	¾	32 597	¾	44 142	¾	55 701	¾	67 260	¾	78 820	¾	90 379	¾	101 939	¾	113 498	¾	125 057	¾
2	397	2	9 871	2	21 292	2	32 837	2	44 383	2	55 942	2	67 501	2	79 061	2	90 620	2	102 179	2	113 739	2	125 298	2
¼	540	¼	10 099	¼	21 533	¼	33 078	¼	44 623	¼	56 183	¼	67 742	¼	79 301	¼	90 861	¼	102 420	¼	113 980	¼	125 539	¼
½	681	½	10 326	½	21 774	½	33 318	½	44 864	½	56 424	½	67 983	½	79 542	½	91 102	½	102 661	½	114 221	½	125 780	½
¾	825	¾	10 554	¾	22 015	¾	33 558	¾	45 105	¾	56 664	¾	68 224	¾	79 783	¾	91 343	¾	102 902	¾	114 462	¾	126 021	¾
3	968	3	10 781	3	22 255	3	33 798	3	45 346	3	56 905	3	68 465	3	80 024	3	91 584	3	103 143	3	114 703	3	126 262	3
¼	1144	¼	11 012	¼	22 496	¼	34 039	¼	45 587	¼	57 146	¼	68 705	¼	80 265	¼	91 824	¼	103 383	¼	114 943	¼	126 502	¼
½	1321	½	11 243	½	22 737	½	34 279	½	45 828	½	57 387	½	68 946	½	80 506	½	92 065	½	103 624	½	115 184	½	126 743	½
¾	1497	¾	11 474	¾	22 978	¾	34 519	¾	46 068	¾	57 628	¾	69 187	¾	80 746	¾	92 306	¾	103 865	¾	115 424	¾	126 984	¾
4	1674	4	11 705	4	23 219	4	34 759	4	46 309	4	57 868	4	69 428	4	80 987	4	92 547	4	104 106	4	115 666	4	127 225	4
¼	1854	¼	11 939	¼	23 460	¼	34 999	¼	46 550	¼	58 109	¼	69 669	¼	81 228	¼	92 787	¼	104 347	¼	115 906	¼	127 466	¼
½	2034	½	12 173	½	23 700	½	35 240	½	46 791	½	58 350	½	69 910	½	81 469	½	93 028	½	104 588	½	116 147	½	127 707	½
¾	2213	¾	12 408	¾	23 941	¾	35 480	¾	47 032	¾	58 591	¾	70 150	¾	81 710	¾	93 269	¾	104 828	¾	116 388	¾	127 948	¾
5	2393	5	12 642	5	24 182	5	35 720	5	47 272	5	58 832	5	70 391	5	81 951	5	93 510	5	105 069	5	116 629	5	128 188	5
¼	2577	¼	12 879	¼	24 423	¼	35 960	¼	47 513	¼	59 073	¼	70 632	¼	82 191	¼	93 751	¼	105 310	¼	116 870	¼	128 429	¼
½	2760	½	13 117	½	24 664	½	36 201	½	47 754	½	59 313	½	70 873	½	82 432	½	93 992	½	105 551	½	117 110	½	128 670	½
¾	2943	¾	13 355	¾	24 904	¾	36 441	¾	47 995	¾	59 554	¾	71 114	¾	82 673	¾	94 232	¾	105 792	¾	117 351	¾	128 911	¾
6	3126	6	13 592	6	25 145	6	36 681	6	48 236	6	59 795	6	71 354	6	82 914	6	94 473	6	106 033	6	117 592	6	129 152	6
¼	3313	¼	13 831	¼	25 386	¼	36 921	¼	48 477	¼	60 036	¼	71 595	¼	83 155	¼	94 714	¼	106 274	¼	117 833	¼	129 393	¼
½	3499	½	14 071	½	25 627	½	37 162	½	48 717	½	60 277	½	71 836	½	83 395	½	94 955	½	106 514	½	118 074	½	129 633	½
¾	3686	¾	14 310	¾	25 868	¾	37 402	¾	48 958	¾	60 518	¾	72 077	¾	83 636	¾	95 196	¾	106 755	¾	118 315	¾	129 874	¾
7	3872	7	14 549	7	26 109	7	37 642	7	49 199	7	60 758	7	72 318	7	83 877	7	95 437	7	106 996	7	118 555	7	130 115	7
¼	4077	¼	14 790	¼	26 349	¼	37 882	¼	49 440	¼	60 999	¼	72 559	¼	84 118	¼	95 678	¼	107 237	¼	118 797	¼	130 356	¼
½	4281	½	15 031	½	26 590	½	38 122	½	49 681	½	61 240	½	72 799	½	84 359	½	95 918	½	107 478	½	119 037	½	130 597	½
¾	4485	¾	15 272	¾	26 831	¾	38 363	¾	49 921	¾	61 481	¾	73 040	¾	84 600	¾	96 159	¾	107 719	¾	119 278	¾	130 838	¾
8	4689	8	15 513	8	27 072	8	38 603	8	50 162	8	61 722	8	73 281	8	84 840	8	96 400	8	107 959	8	119 519	8	131 078	8
¼	4897	¼	15 755	¼	27 312	¼	38 844	¼	50 403	¼	61 962	¼	73 522	¼	85 081	¼	96 641	¼	108 200	¼	119 760	¼	131 319	¼
½	5104	½	15 994	½	27 553	½	39 085	½	50 644	½	62 203	½	73 763	½	85 322	½	96 881	½	108 441	½	120 000	½	131 560	½
¾	5312	¾	16 235	¾	27 793	¾	39 325	¾	50 885	¾	62 444	¾	74 003	¾	85 563	¾	97 122	¾	108 682	¾	120 241	¾	131 801	¾
9	5520	9	16 476	9	28 033	9	39 566	9	51 126	9	62 685	9	74 244	9	85 804	9	97 363	9	108 923	9	120 482	9	132 042	9
¼	5731	¼	16 717	¼	28 273	¼	39 807	¼	51 366	¼	62 926	¼	74 485	¼	86 044	¼	97 604	¼	109 163	¼	120 723	¼	132 282	¼
½	5941	½	16 957	½	28 514	½	40 048	½	51 607	½	63 167	½	74 726	½	86 285	½	97 845	½	109 404	½	120 964	½	132 523	½
¾	6152	¾	17 198	¾	28 753	¾	40 289	¾	51 848	¾	63 407	¾	74 967	¾	86 526	¾	98 085	¾	109 645	¾	121 204	¾	132 764	¾
10	6363	10	17 439	10	28 994	10	40 529	10	52 089	10	63 648	10	75 208	10	86 767	10	98 326	10	109 886	10	121 445	10	133 005	10
¼	6577	¼	17 680	¼	29 234	¼	40 770	¼	52 330	¼	63 889	¼	75 448	¼	87 008	¼	98 567	¼	110 126	¼	121 686	¼	133 245	¼
½	6792	½	17 921	½	29 474	½	41 013	½	52 570	½	64 130	½	75 689	½	87 249	½	98 808	½	110 367	½	121 927	½	133 486	½
¾	7006	¾	18 162	¾	29 714	¾	41 252	¾	52 811	¾	64 371	¾	75 930	¾	87 489	¾	99 049	¾	110 608	¾	122 167	¾	133 727	¾
11	7220	11	18 402	11	29 955	11	41 493	11	53 052	11	64 611	11	76 171	11	87 730	11	99 290	11	110 849	11	122 408	11	133 968	11
¼	7438	¼	18 643	¼	30 195	¼	41 734	¼	53 293	¼	64 853	¼	76 412	¼	87 971	¼	99 531	¼	111 090	¼	122 649	¼	134 209	¼
½	7655	½	18 884	½	30 435	½	41 974	½	53 534	½	65 094	½	76 653	½	88 212	½	99 771	½	111 331	½	122 890	½	134 450	½
¾	7873	¾	19 125	¾	30 675	¾	42 215	¾	53 775	¾	65 334	¾	76 893	¾	88 453	¾	100 012	¾	111 571	¾	123 131	¾	134 691	¾

CAPACITIES GIVEN IN U. S. GALLONS

Strapped By: OPS
Computed By: DEC
Checked By: WLS

Date: AUGUST 1964

NOTE: ALL TANKS GAUGED AT CENTER OF COMPARTMENT.

THIS CHART IS CERTIFIED FOR THE ABOVE NAMED VESSEL ONLY. NO CHANGES OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY

E. W. SAYBOLT & CO., INC.

BY William L. Schroeder

DEPUTY INSPECTOR OF PETROLEUM

Date of Issue - September 2, 1964

Hull #1308

CCL 3

(SHEET NO. 2 OF 2)

E. W. SAYBOLT & CO., INC.

JOS. H. McCABE JOS. H. McCABE, JR.
APPROVED AND LICENSED BY THE NEW YORK PRODUCE EXCHANGE

INSPECTORS OF PETROLEUM

GENERAL HEADQUARTERS
248 BAYWAY
ELIZABETH, N. J.

TANK GAUGE TABLE

NO. 1

GAUGE HEIGHT 15'-11 3/4"

INNAGE TABLE

IN	12 FT	IN	13 FT	IN	14 FT	IN	15 FT	IN	FT	IN	FT	IN	FT	IN	FT	IN	FT	IN	FT	IN	FT	IN
0	134031	0	146290	0	158050	0	160833	0		0		0		0		0		0		0		0
¼	135172	¼	146731	¼	158290			¼		¼		¼		¼		¼		¼		¼		¼
½	133411	½	146972	½	158531			½		½		½		½		½		½		½		½
¾	135651	¾	147213	¾	158772			¾		¾		¾		¾		¾		¾		¾		¾
1	135894	1	147454	1	159013			1		1		1		1		1		1		1		1
¼	136135	¼	147694	¼	159254			¼		¼		¼		¼		¼		¼		¼		¼
½	136376	½	147935	½	159495			½		½		½		½		½		½		½		½
¾	136617	¾	148176	¾	159735			¾		¾		¾		¾		¾		¾		¾		¾
2	136857	2	148417	2	159976			2		2		2		2		2		2		2		2
¼	137098	¼	148658	¼	160217			¼		¼		¼		¼		¼		¼		¼		¼
½	137339	½	148898	½	160458			½		½		½		½		½		½		½		½
¾	137580	¾	149139	¾	160699			¾		¾		¾		¾		¾		¾		¾		¾
3	137821	3	149380	3	160939			3		3		3		3		3		3		3		3
¼	138062	¼	149621	¼	161180			¼		¼		¼		¼		¼		¼		¼		¼
½	138302	½	149862	½	161381			½		½		½		½		½		½		½		½
¾	138543	¾	150103	¾	161602			¾		¾		¾		¾		¾		¾		¾		¾
4	138784	4	150343	4	161822			4		4		4		4		4		4		4		4
¼	139025	¼	150584	¼	162003			¼		¼		¼		¼		¼		¼		¼		¼
½	139266	½	150825	½	162184			½		½		½		½		½		½		½		½
¾	139506	¾	151066	¾	162364			¾		¾		¾		¾		¾		¾		¾		¾
5	139747	5	151307	5	162545			5		5		5		5		5		5		5		5
¼	139988	¼	151547	¼	162685			¼		¼		¼		¼		¼		¼		¼		¼
½	140229	½	151788	½	162826			½		½		½		½		½		½		½		½
¾	140470	¾	152029	¾	162966			¾		¾		¾		¾		¾		¾		¾		¾
6	140711	6	152270	6	163107			6		6		6		6		6		6		6		6
¼	140951	¼	152511	¼	163207			¼		¼		¼		¼		¼		¼		¼		¼
½	141192	½	152752	½	163308			½		½		½		½		½		½		½		½
¾	141433	¾	152992	¾	163408			¾		¾		¾		¾		¾		¾		¾		¾
7	141674	7	153233	7	163508			7		7		7		7		7		7		7		7
¼	141915	¼	153474	¼	163568			¼		¼		¼		¼		¼		¼		¼		¼
½	142156	½	153715	½	163629			½		½		½		½		½		½		½		½
¾	142396	¾	153956	¾	163689			¾		¾		¾		¾		¾		¾		¾		¾
8	142637	8	154197	8	163749			8		8		8		8		8		8		8		8
¼	142878	¼	154437	¼	163769			¼		¼		¼		¼		¼		¼		¼		¼
½	143119	½	154678	½	163789			½		½		½		½		½		½		½		½
¾	143360	¾	154919	¾	163809			¾		¾		¾		¾		¾		¾		¾		¾
9	143600	9	155160	9	163829			9		9		9		9		9		9		9		9
¼	143841	¼	155401	¼	163830			¼		¼		¼		¼		¼		¼		¼		¼
½	144082	½	155641	½	163830			½		½		½		½		½		½		½		½
¾	144323	¾	155882	¾	163830			¾		¾		¾		¾		¾		¾		¾		¾
10	144564	10	156123	10	163831			10		10		10		10		10		10		10		10
¼	144805	¼	156364	¼	163831			¼		¼		¼		¼		¼		¼		¼		¼
½	145045	½	156605	½	163831			½		½		½		½		½		½		½		½
¾	145286	¾	156846	¾	163832			¾		¾		¾		¾		¾		¾		¾		¾
11	145527	11	157086	11	163832			11		11		11		11		11		11		11		11
¼	145768	¼	157327	¼	163832			¼		¼		¼		¼		¼		¼		¼		¼
½	146009	½	157568	½	163833			½		½		½		½		½		½		½		½
¾	146249	¾	157809	¾	163833			¾		¾		¾		¾		¾		¾		¾		¾

CAPACITIES GIVEN IN U. S. GALLONS

Strapped By: OPS
Computed by DHC
Checked by WLS

Date AUGUST 1964

Date of Issue - September 2, 1964

E. W. SAYBOLT & CO., INC.

BY William L. Schroeder

DEPUTY INSPECTOR OF PETROLEUM
APPROVED BY NEW YORK PRODUCE EXCHANGE

E. W. SAYBOLT & CO., INC.

JOS. H. McCABE JOS. H. McCABE, JR.
APPROVED AND LICENSED BY THE NEW YORK PRODUCE EXCHANGE

INSPECTORS OF PETROLEUM

GENERAL HEADQUARTERS
143 GATEWAY
ELIZABETH, N. J.

CCL 3

(SHEET NO. 1 OF 2)

TANK GAUGE TABLE

NO. 2

GAUGE HEIGHT 16'-1"

INHAGE TABLE

IN	0 FT	1 FT	2 FT	3 FT	4 FT	5 FT	6 FT	7 FT	8 FT	9 FT	10 FT	11 FT	IN
0	22	8063	17751	27431	37103	46791	56478	66166	75854	85542	95230	104918	0
¼	40	82657	17953	27632	37305	46992	56686	66368	76056	85744	95432	105119	¼
½	58	84667	18155	27834	37506	47194	56887	66570	76258	85946	95633	105321	½
¾	76	86689	18357	28035	37708	47396	57089	66772	76460	86147	95835	105523	¾
1	94	88711	18558	28236	37910	47598	57286	66974	76661	86349	96037	105725	1
¼	1 10	90732	18760	28438	38111	47800	57492	67175	76863	86551	96239	105927	¼
½	2 65	92744	18962	28639	38312	48002	57694	67377	77065	86753	96441	106129	½
¾	3 50	94756	19164	28840	38514	48203	57891	67579	77267	86955	96643	106330	¾
2	4 36	96778	19366	29042	38715	48405	58093	67781	77469	87157	96844	106532	2
¼	5 88	98800	19568	29243	38917	48607	58295	67983	77671	87358	97046	106734	¼
½	7 41	100822	19769	29444	39118	48809	58495	68185	77873	87560	97248	106936	½
¾	8 94	102833	19971	29646	39320	49011	58699	68387	78075	87762	97450	107138	¾
3	10 46	104855	20173	29847	39521	49213	58900	68588	78276	87964	97652	107340	3
¼	12 33	106877	20375	30048	39723	49414	59102	68790	78478	88166	97854	107541	¼
½	14 19	108899	20577	30250	39924	49616	59304	68992	78680	88368	98055	107743	½
¾	16 05	110911	20779	30451	40126	49818	59506	69194	78882	88569	98257	107945	¾
4	17 91	112933	20980	30652	40327	50020	59708	69396	79083	88771	98459	108147	4
¼	19 78	114946	21182	30854	40529	50222	59910	69597	79285	88973	98661	108349	¼
½	21 64	116968	21384	31055	40730	50424	60111	69799	79487	89175	98863	108551	½
¾	23 50	118988	21586	31256	40932	50625	60313	70001	79689	89377	99065	108752	¾
5	25 36	121002	21788	31458	41133	50827	60515	70203	79891	89579	99266	108954	5
¼	27 23	123023	21990	31659	41335	51029	60717	70405	80093	89780	99468	109156	¼
½	29 09	125043	22191	31860	41536	51231	60919	70607	80294	89982	99670	109358	½
¾	30 95	127055	22393	32062	41738	51433	61121	70808	80496	90184	99872	109560	¾
6	32 82	129077	22595	32263	41939	51635	61322	71010	80698	90386	100074	109761	6
¼	34 68	131097	22797	32464	42141	51836	61524	71212	80900	90588	100276	109963	¼
½	36 54	133113	22999	32666	42342	52038	61726	71414	81102	90790	100477	110165	½
¾	38 40	135133	23200	32867	42544	52240	61928	71616	81304	90991	100679	110367	¾
7	40 27	137144	23402	33068	42745	52444	62130	71818	81505	91193	100881	110568	7
¼	42 28	139156	23604	33269	42956	52644	62332	72019	81707	91395	101083	110770	¼
½	44 30	141178	23806	33471	43158	52845	62533	72221	81909	91597	101285	110972	½
¾	46 32	143200	24008	33672	43359	53047	62735	72423	82111	91799	101487	111174	¾
8	48 34	145222	24210	33873	43561	53249	62937	72625	82315	92001	101688	111376	8
¼	50 36	147224	24411	34075	43763	53451	63139	72827	82515	92202	101890	111578	¼
½	52 38	149225	24612	34277	43965	53653	63341	73028	82716	92404	102092	111780	½
¾	54 39	151227	24814	34479	44167	53855	63542	73230	82918	92606	102294	111982	¾
9	56 41	153229	25015	34681	44369	54056	63744	73432	83120	92808	102496	112184	9
¼	58 43	155231	25216	34882	44570	54258	63946	73634	83322	93010	102698	112385	¼
½	60 45	157233	25418	35084	44772	54460	64148	73836	83524	93211	102898	112587	½
¾	62 47	159235	25619	35286	44974	54662	64350	74038	83725	93413	103099	112789	¾
10	64 49	161236	25820	35488	45176	54864	64552	74239	83927	93615	103301	112991	10
¼	66 50	163238	26022	35690	45378	55066	64753	74441	84129	93817	103503	113193	¼
½	68 52	165240	26223	35892	45580	55267	64955	74643	84331	94019	103705	113395	½
¾	70 54	167242	26424	36094	45781	55469	65157	74845	84533	94221	103907	113597	¾
11	72 56	169244	26626	36295	45983	55671	65359	75047	84735	94422	104110	113798	11
¼	74 58	171246	26827	36497	46185	55873	65561	75249	84936	94624	104312	114000	¼
½	76 60	173247	27028	36699	46387	56075	65763	75450	85138	94826	104514	114202	½
¾	78 61	175249	27230	36901	46589	56277	65964	75652	85340	95028	104716	114404	¾

CAPACITIES GIVEN IN U. S. GALLONS

Strapped By: OPS
COMPUTED BY DHC
CHIEF [illegible] WLS

DATE AUGUST 8 1964

NOTE: ALL TANKS GAGED AT CENTER OF COMPARTMENT.

THIS CHART IS CERTIFIED FOR THE ABOVE NAMED VESSEL ONLY. NO CHANGES OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY

E. W. SAYBOLT & CO., INC.

BY William L. Schroeder

DEPUTY INSPECTOR OF PETROLEUM
APPROVED BY NEW YORK PRODUCE EXCHANGE

Form 64-M-A

Date of Issue - September 2, 1964

E. W. SAYBOLT & CO., INC.

JOS. K. VICARY JOS. H. KLEAGE, JR.
APPROVED AND LICENSED BY THE NEW YORK PRODUCE EXCHANGE

INSPECTORS OF PETROLEUM

GENERAL HEADQUARTERS
208 BAYWAY
ELIZABETH, N. J.

CCL3

(SHEET NO. 2 OF 2)

TANK GAUGE TABLE

NO. 2

GAUGE HEIGHT 18'-1"

INHAGE TABLE

IN	12 FT	IN	13 FT	IN	14 FT	IN	15 FT	IN	FT	IN	FT	IN	FT	IN	FT	IN	FT	IN	FT	IN	FT	IN
0	11460 5	0	12429 J	0	13J98 1	0	1J8829	0		0		0		0		0		0		0		0
⅛	11480 7	⅛	12449 5	⅛	13J41 8 3	⅛		⅛		⅛		⅛		⅛		⅛		⅛		⅛		⅛
¼	11500 9	¼	12469 7	¼	13J43 8 5	¼		¼		¼		¼		¼		¼		¼		¼		¼
⅜	11521 1	⅜	12489 9	⅜	13J45 8 7	⅜		⅜		⅜		⅜		⅜		⅜		⅜		⅜		⅜
½	11541 3	1	12510 1	1	13J47 8 8	1		1		1		1		1		1		1		1		1
⅝	11561 5	⅛	12530 2	⅛	13J49 9 0	⅛		⅛		⅛		⅛		⅛		⅛		⅛		⅛		⅛
¾	11581 6	¼	12550 4	¼	13J51 9 2	¼		¼		¼		¼		¼		¼		¼		¼		¼
⅞	11601 8	⅜	12570 6	⅜	13J53 9 4	⅜		⅜		⅜		⅜		⅜		⅜		⅜		⅜		⅜
2	11622 0	2	12590 8	2	13J55 9 6	2		2		2		2		2		2		2		2		2
⅛	11642 2	⅛	12611 0	⅛	13J57 9 8	⅛		⅛		⅛		⅛		⅛		⅛		⅛		⅛		⅛
¼	11662 4	¼	12631 2	¼	13J59 9 9	¼		¼		¼		¼		¼		¼		¼		¼		¼
⅜	11682 6	⅜	12651 3	⅜	13K60 2 1	⅜		⅜		⅜		⅜		⅜		⅜		⅜		⅜		⅜
3	11702 7	3	12671 5	3	13K64 0 J	3		3		3		3		3		3		3		3		3
⅛	11722 9	⅛	12691 7	⅛	13K65 8 8	⅛		⅛		⅛		⅛		⅛		⅛		⅛		⅛		⅛
¼	11743 1	¼	12711 9	¼	13K67 7 J	¼		¼		¼		¼		¼		¼		¼		¼		¼
⅜	11763 3	⅜	12732 1	⅜	13K69 5 8	⅜		⅜		⅜		⅜		⅜		⅜		⅜		⅜		⅜
4	11783 5	4	12752 3	4	13K71 4 J	4		4		4		4		4		4		4		4		4
⅛	11803 7	⅛	12772 4	⅛	13K72 9 5	⅛		⅛		⅛		⅛		⅛		⅛		⅛		⅛		⅛
¼	11823 8	¼	12792 6	¼	13K74 4 6	¼		¼		¼		¼		¼		¼		¼		¼		¼
⅜	11844 0	⅜	12812 8	⅜	13K75 9 7	⅜		⅜		⅜		⅜		⅜		⅜		⅜		⅜		⅜
5	11864 2	5	12833 0	5	13K77 4 9	5		5		5		5		5		5		5		5		5
⅛	11884 4	⅛	12853 2	⅛	13K78 6 6	⅛		⅛		⅛		⅛		⅛		⅛		⅛		⅛		⅛
¼	11904 6	¼	12873 4	¼	13K79 8 4	¼		¼		¼		¼		¼		¼		¼		¼		¼
⅜	11924 8	⅜	12893 5	⅜	13K81 0 2	⅜		⅜		⅜		⅜		⅜		⅜		⅜		⅜		⅜
6	11949 9	6	12913 7	6	13K82 2 0	6		6		6		6		6		6		6		6		6
⅛	11965 1	⅛	12933 9	⅛	13K83 0 4	⅛		⅛		⅛		⅛		⅛		⅛		⅛		⅛		⅛
¼	11985 3	¼	12954 1	¼	13K83 8 8	¼		¼		¼		¼		¼		¼		¼		¼		¼
⅜	12005 5	⅜	12974 3	⅜	13K84 7 2	⅜		⅜		⅜		⅜		⅜		⅜		⅜		⅜		⅜
7	12025 7	7	12995 5	7	13K85 5 6	7		7		7		7		7		7		7		7		7
⅛	12045 9	⅛	13016 6	⅛	13K86 0 6	⅛		⅛		⅛		⅛		⅛		⅛		⅛		⅛		⅛
¼	12066 0	¼	13036 8	¼	13K86 5 7	¼		¼		¼		¼		¼		¼		¼		¼		¼
⅜	12086 2	⅜	13056 0	⅜	13K87 0 7	⅜		⅜		⅜		⅜		⅜		⅜		⅜		⅜		⅜
8	12106 4	8	13076 2	8	13K87 5 8	8		8		8		8		8		8		8		8		8
⅛	12126 6	⅛	13096 4	⅛	13K87 7 5	⅛		⅛		⅛		⅛		⅛		⅛		⅛		⅛		⅛
¼	12146 8	¼	13111 5 6	¼	13K87 9 1	¼		¼		¼		¼		¼		¼		¼		¼		¼
⅜	12167 0	⅜	13131 5 7	⅜	13K88 0 8	⅜		⅜		⅜		⅜		⅜		⅜		⅜		⅜		⅜
9	12187 1	9	13151 5 9	9	13K88 2 5	9		9		9		9		9		9		9		9		9
⅛	12207 3	⅛	13171 7 6 1	⅛	13K88 2 5	⅛		⅛		⅛		⅛		⅛		⅛		⅛		⅛		⅛
¼	12227 5	¼	13191 9 6 J	¼	13K88 2 6	¼		¼		¼		¼		¼		¼		¼		¼		¼
⅜	12247 7	⅜	13212 1 6 5	⅜	13K88 2 6	⅜		⅜		⅜		⅜		⅜		⅜		⅜		⅜		⅜
10	12267 9	10	13232 3 6 7	10	13K88 2 6	10		10		10		10		10		10		10		10		10
⅛	12288 1	⅛	13252 5 6 8	⅛	13K88 2 7	⅛		⅛		⅛		⅛		⅛		⅛		⅛		⅛		⅛
¼	12308 2	¼	13272 7 7 0	¼	13K88 2 7	¼		¼		¼		¼		¼		¼		¼		¼		¼
⅜	12328 4	⅜	13292 9 7 2	⅜	13K88 2 7	⅜		⅜		⅜		⅜		⅜		⅜		⅜		⅜		⅜
11	12348 6	11	13313 1 7 4	11	13K88 2 8	11		11		11		11		11		11		11		11		11
⅛	12368 8	⅛	13333 3 7 6	⅛	13K88 2 8	⅛		⅛		⅛		⅛		⅛		⅛		⅛		⅛		⅛
¼	12389 0	¼	13353 5 7 7	¼	13K88 2 8	¼		¼		¼		¼		¼		¼		¼		¼		¼
⅜	12409 1	⅜	13373 7 7 9	⅜	13K88 2 9	⅜		⅜		⅜		⅜		⅜		⅜		⅜		⅜		⅜

CAPACITIES GIVEN IN U. S. GALLONS

Strapped By: OPS
Computed By: DWO
Checked By: WLS

Date AUGUST 11 1964

THIS CHART IS CERTIFIED FOR THE ABOVE NAMED VESSEL ONLY. NO CHANGES OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY

E. W. SAYBOLT & CO., INC.

By William L. Schroeder

E. W. SAYBOLT & CO., INC.
JOS. M. McCABE JOS. M. McCABE, JR.
APPROVED AND LICENSED BY
THE NEW YORK PRODUCE EXCHANGE
INSPECTORS OF PETROLEUM
GENERAL HEADQUARTERS
- 233 RAHWAY
ELIZABETH, N. J.

CCL3

TANK GAUGE TABLE

NO. 3 160'/14

GAUGE HEIGHT ~~15'-0"~~

INNAGE TABLE

IN	0 FT	IN	1 FT	IN	2 FT	IN	3 FT	IN	4 FT	IN	5 FT	IN	6 FT	IN	7 FT	IN	8 FT	IN	9 FT	IN	10 FT	IN	11 FT	IN
0	22	0	9096	0	20028	0	30959	0	41890	0	52822	0	63754	0	74686	0	85618	0	96550	0	107482	0	118414	0
¼	42	¼	9224	¼	20256	¼	31187	¼	42118	¼	53050	¼	63982	¼	74914	¼	85846	¼	96778	¼	107710	¼	118642	¼
½	63	½	9351	½	20483	½	31415	½	42345	½	53277	½	64209	½	75141	½	86073	½	97005	½	107937	½	118869	½
¾	83	¾	9479	¾	20711	¾	31642	¾	42573	¾	53505	¾	64437	¾	75369	¾	86301	¾	97233	¾	108165	¾	119097	¾
1	104	1	9607	1	20939	1	31870	1	42801	1	53733	1	64665	1	75597	1	86529	1	97461	1	108393	1	119325	1
¼	200	¼	9735	¼	21167	¼	32098	¼	43029	¼	53961	¼	64893	¼	75825	¼	86757	¼	97689	¼	108621	¼	119553	¼
½	296	½	9862	½	21394	½	32325	½	43256	½	54188	½	65120	½	76052	½	86984	½	97916	½	108848	½	119780	½
¾	393	¾	9990	¾	21622	¾	32553	¾	43484	¾	54416	¾	65348	¾	76280	¾	87212	¾	98144	¾	109076	¾	120008	¾
2	489	2	10118	2	21850	2	32781	2	43712	2	54644	2	65576	2	76508	2	87440	2	98372	2	109304	2	120236	2
¼	661	¼	11246	¼	22078	¼	33009	¼	43940	¼	54872	¼	65804	¼	76736	¼	87668	¼	98600	¼	109532	¼	120464	¼
½	833	½	11373	½	22305	½	33236	½	44167	½	55099	½	66031	½	76963	½	87895	½	98827	½	109759	½	120691	½
¾	1006	¾	11601	¾	22533	¾	33464	¾	44395	¾	55327	¾	66259	¾	77191	¾	88123	¾	99055	¾	109987	¾	120919	¾
3	1178	3	11829	3	22761	3	33692	3	44623	3	55555	3	66487	3	77419	3	88351	3	99283	3	110215	3	121147	3
¼	1088	¼	12057	¼	22989	¼	33919	¼	44851	¼	55783	¼	66715	¼	77647	¼	88579	¼	99511	¼	110443	¼	121375	¼
½	1598	½	12284	½	23216	½	34147	½	45078	½	56010	½	66942	½	77874	½	88806	½	99738	½	110670	½	121602	½
¾	1808	¾	12512	¾	23444	¾	34375	¾	45306	¾	56238	¾	67170	¾	78102	¾	89034	¾	99966	¾	110898	¾	121830	¾
4	2019	4	12740	4	23672	4	34603	4	45534	4	56466	4	67398	4	78330	4	89262	4	100194	4	111126	4	122058	4
¼	2229	¼	12968	¼	23900	¼	34830	¼	45762	¼	56694	¼	67626	¼	78558	¼	89490	¼	100422	¼	111354	¼	122286	¼
½	2439	½	13195	½	24127	½	35058	½	45989	½	56921	½	67853	½	78785	½	89717	½	100649	½	111581	½	122513	½
¾	2649	¾	13423	¾	24355	¾	35286	¾	46217	¾	57149	¾	68081	¾	79013	¾	89945	¾	100877	¾	111809	¾	122741	¾
5	2859	5	13651	5	24583	5	35513	5	46445	5	57377	5	68309	5	79241	5	90173	5	101105	5	112037	5	122969	5
¼	3070	¼	13879	¼	24811	¼	35741	¼	46673	¼	57605	¼	68537	¼	79469	¼	90401	¼	101333	¼	112265	¼	123197	¼
½	3280	½	14106	½	25038	½	35969	½	46900	½	57832	½	68764	½	79696	½	90628	½	101560	½	112492	½	123424	½
¾	3490	¾	14334	¾	25266	¾	36197	¾	47128	¾	58060	¾	68992	¾	79924	¾	90856	¾	101788	¾	112720	¾	123652	¾
6	3700	6	14562	6	25494	6	36424	6	47356	6	58288	6	69220	6	80152	6	91084	6	102016	6	112948	6	123880	6
¼	3910	¼	14790	¼	25722	¼	36652	¼	47584	¼	58516	¼	69448	¼	80380	¼	91312	¼	102244	¼	113176	¼	124108	¼
½	4120	½	15017	½	25949	½	36880	½	47811	½	58743	½	69675	½	80607	½	91539	½	102471	½	113403	½	124335	½
¾	4331	¾	15245	¾	26177	¾	37107	¾	48039	¾	58971	¾	69903	¾	80835	¾	91767	¾	102699	¾	113631	¾	124563	¾
7	4541	7	15473	7	26405	7	37335	7	48267	7	59199	7	70131	7	81063	7	91995	7	102927	7	113859	7	124791	7
¼	4769	¼	15701	¼	26633	¼	37563	¼	48495	¼	59427	¼	70359	¼	81291	¼	92223	¼	103155	¼	114087	¼	125019	¼
½	4996	½	15928	½	26860	½	37790	½	48722	½	59654	½	70586	½	81518	½	92450	½	103382	½	114314	½	125246	½
¾	5224	¾	16156	¾	27088	¾	38018	¾	48950	¾	59882	¾	70814	¾	81746	¾	92678	¾	103610	¾	114542	¾	125474	¾
8	5452	8	16384	8	27316	8	38246	8	49178	8	60110	8	71042	8	81974	8	92906	8	103838	8	114770	8	125702	8
¼	5680	¼	16612	¼	27544	¼	38474	¼	49406	¼	60338	¼	71270	¼	82202	¼	93134	¼	104066	¼	114998	¼	125930	¼
½	5907	½	16839	½	27771	½	38701	½	49633	½	60565	½	71497	½	82429	½	93361	½	104293	½	115225	½	126157	½
¾	6135	¾	17067	¾	27999	¾	38929	¾	49861	¾	60793	¾	71725	¾	82657	¾	93589	¾	104521	¾	115453	¾	126385	¾
9	6363	9	17295	9	28227	9	39157	9	50089	9	61021	9	71953	9	82885	9	93817	9	104749	9	115681	9	126613	9
¼	6591	¼	17523	¼	28454	¼	39385	¼	50317	¼	61249	¼	72181	¼	83113	¼	94045	¼	104977	¼	115909	¼	126841	¼
½	6818	½	17750	½	28682	½	39612	½	50544	½	61476	½	72408	½	83340	½	94272	½	105204	½	116136	½	127068	½
¾	7046	¾	17978	¾	28910	¾	39840	¾	50772	¾	61704	¾	72636	¾	83568	¾	94500	¾	105432	¾	116364	¾	127296	¾
10	7274	10	18206	10	29138	10	40068	10	51000	10	61932	10	72864	10	83796	10	94728	10	105660	10	116592	10	127524	10
¼	7502	¼	18434	¼	29365	¼	40296	¼	51228	¼	62160	¼	73092	¼	84024	¼	94956	¼	105888	¼	116820	¼	127752	¼
½	7729	½	18661	½	29593	½	40523	½	51455	½	62387	½	73319	½	84251	½	95183	½	106115	½	117047	½	127979	½
¾	7957	¾	18889	¾	29821	¾	40751	¾	51683	¾	62615	¾	73547	¾	84479	¾	95411	¾	106343	¾	117275	¾	128207	¾
11	8185	11	19117	11	30048	11	40979	11	51911	11	62843	11	73775	11	84707	11	95639	11	106571	11	117503	11	128435	11
¼	8413	¼	19345	¼	30276	¼	41207	¼	52139	¼	63071	¼	74003	¼	84935	¼	95867	¼	106799	¼	117731	¼	128663	¼
½	8640	½	19572	½	30504	½	41434	½	52366	½	63298	½	74230	½	85162	½	96094	½	107026	½	117958	½	128890	½
¾	8868	¾	19800	¾	30731	¾	41662	¾	52594	¾	63526	¾	74458	¾	85390	¾	96322	¾	107254	¾	118186	¾	129118	¾

CAPACITIES GIVEN IN U. S. GALLONS

Strapped By: OPS
Computed By: DHO
Checked: WLS
Date: AUGUST 1964

NOTE: ALL TANKS GAGED AT CENTER OF COMPARTMENT.

Date of Issue - September 1, 1964

THIS CHART IS CERTIFIED FOR THE ABOVE NAMED VESSEL ONLY. NO CHANGES OF ANY KIND CAN BE MADE WITHOUT THE WRITTEN CONSENT OF OUR COMPANY

E. W. SAYBOLT & CO., INC.
BY William L. Schroeder
DEPUTY INSPECTOR OF PETROLEUM
APPROVED BY NEW YORK PRODUCE EXCHANGE

E. W. SAYBOLT & CO., INC.

JOS. M. HUGHES JOS. M. HUGHES, JR.
APPROVED AND LICENSED BY
THE NEW YORK PRODUCE EXCHANGE

INSPECTORS OF PETROLEUM

GENERAL HEADQUARTERS
240 GATEWAY
ELIZABETH, N. J.

CCL3

(SHEET NO. 2 OF 2)

TANK GAUGE TABLE

NO. 3

GAUGE HEIGHT ~~16'-0"~~ 16'-0

IN	12 FT	IN	13 FT	IN	14 FT	IN	15 FT	IN	FT	IN
0	1 2 9 0 4 6	0	1 4 0 2 7 8	0	1 5 1 2 1 0	0	1 5 6 6 8 0	0		0
⅛	1 2 9 5 7 4	⅛	1 4 0 5 0 6	⅛	1 5 1 4 3 8	⅛		⅛		⅛
¼	1 2 9 8 0 1	¼	1 4 0 7 3 3	¼	1 5 1 6 6 5	¼		¼		¼
⅝	1 3 0 0 2 9	⅝	1 4 0 9 6 1	⅝	1 5 1 8 9 3	⅝		⅝		⅝
1	1 3 0 2 5 7	1	1 4 1 1 8 9	1	1 5 2 1 2 1	1		1		1
⅛	1 3 0 4 8 5	⅛	1 4 1 4 1 7	⅛	1 5 2 3 4 9	⅛		⅛		⅛
¼	1 3 0 7 1 2	¼	1 4 1 6 4 4	¼	1 5 2 5 7 6	¼		¼		¼
⅝	1 3 0 9 4 0	⅝	1 4 1 8 7 2	⅝	1 5 2 8 0 4	⅝		⅝		⅝
2	1 3 1 1 6 8	2	1 4 2 1 0 0	2	1 5 3 0 3 2	2		2		2
⅛	1 3 1 3 9 6	⅛	1 4 2 3 2 8	⅛	1 5 3 2 6 0	⅛		⅛		⅛
¼	1 3 1 6 2 3	¼	1 4 2 5 5 5	¼	1 5 3 4 8 7	¼		¼		¼
⅝	1 3 1 8 5 1	⅝	1 4 2 7 8 3	⅝	1 5 3 7 1 5	⅝		⅝		⅝
3	1 3 2 0 7 9	3	1 4 3 0 1 1	3	1 5 3 9 4 3	3		3		3
⅛	1 3 2 3 0 7	⅛	1 4 3 2 3 9	⅛	1 5 4 1 5 2	⅛		⅛		⅛
¼	1 3 2 5 3 4	¼	1 4 3 4 6 6	¼	1 5 4 3 6 0	¼		¼		¼
⅝	1 3 2 7 6 2	⅝	1 4 3 6 9 4	⅝	1 5 4 5 6 9	⅝		⅝		⅝
4	1 3 2 9 9 0	4	1 4 3 9 2 2	4	1 5 4 7 7 8	4		4		4
⅛	1 3 3 2 1 8	⅛	1 4 4 1 5 0	⅛	1 5 4 9 4 9	⅛		⅛		⅛
¼	1 3 3 4 4 5	¼	1 4 4 3 7 7	¼	1 5 5 1 2 0	¼		¼		¼
⅝	1 3 3 6 7 3	⅝	1 4 4 6 0 5	⅝	1 5 5 2 9 0	⅝		⅝		⅝
5	1 3 3 9 0 1	5	1 4 4 8 3 3	5	1 5 5 4 6 1	5		5		5
⅛	1 3 4 1 2 9	⅛	1 4 5 0 6 1	⅛	1 5 5 5 9 4	⅛		⅛		⅛
¼	1 3 4 3 5 6	¼	1 4 5 2 8 8	¼	1 5 5 7 2 7	¼		¼		¼
⅝	1 3 4 5 8 4	⅝	1 4 5 5 1 6	⅝	1 5 5 8 6 0	⅝		⅝		⅝
6	1 3 4 8 1 2	6	1 4 5 7 4 4	6	1 5 5 9 9 3	6		6		6
⅛	1 3 5 0 4 0	⅛	1 4 5 9 7 2	⅛	1 5 6 0 8 8	⅛		⅛		⅛
¼	1 3 5 2 6 7	¼	1 4 6 1 9 9	¼	1 5 6 1 8 2	¼		¼		¼
⅝	1 3 5 4 9 5	⅝	1 4 6 4 2 7	⅝	1 5 6 2 7 7	⅝		⅝		⅝
7	1 3 5 7 2 3	7	1 4 6 6 5 5	7	1 5 6 3 7 2	7		7		7
⅛	1 3 5 9 5 1	⅛	1 4 6 8 8 3	⅛	1 5 6 4 2 9	⅛		⅛		⅛
¼	1 3 6 1 7 8	¼	1 4 7 1 1 0	¼	1 5 6 4 8 6	¼		¼		¼
⅝	1 3 6 4 0 6	⅝	1 4 7 3 3 8	⅝	1 5 6 5 4 3	⅝		⅝		⅝
8	1 3 6 6 3 4	8	1 4 7 5 6 6	8	1 5 6 6 0 0	8		8		8
⅛	1 3 6 8 6 2	⅛	1 4 7 7 9 4	⅛	1 5 6 6 1 9	⅛		⅛		⅛
¼	1 3 7 0 8 9	¼	1 4 8 0 2 1	¼	1 5 6 6 3 8	¼		¼		¼
⅝	1 3 7 3 1 7	⅝	1 4 8 2 4 9	⅝	1 5 6 6 5 7	⅝		⅝		⅝
9	1 3 7 5 4 5	9	1 4 8 4 7 7	9	1 5 6 6 7 6	9		9		9
⅛	1 3 7 7 7 3	⅛	1 4 8 7 0 5	⅛	1 5 6 6 7 6	⅛		⅛		⅛
¼	1 3 8 0 0 0	¼	1 4 8 9 3 2	¼	1 5 6 6 7 7	¼		¼		¼
⅝	1 3 8 2 2 8	⅝	1 4 9 1 6 0	⅝	1 5 6 6 7 7	⅝		⅝		⅝
10	1 3 8 4 5 6	10	1 4 9 3 8 8	10	1 5 6 6 7 7	10		10		10
⅛	1 3 8 6 8 4	⅛	1 4 9 6 1 6	⅛	1 5 6 6 7 8	⅛		⅛		⅛
¼	1 3 8 9 1 1	¼	1 4 9 8 4 3	¼	1 5 6 6 7 8	¼		¼		¼
⅝	1 3 9 1 3 9	⅝	1 5 0 0 7 1	⅝	1 5 6 6 7 8	⅝		⅝		⅝
11	1 3 9 3 6 7	11	1 5 0 2 9 9	11	1 5 6 6 7 9	11		11		11
⅛	1 3 9 5 9 5	⅛	1 5 0 5 2 7	⅛	1 5 6 6 7 9	⅛		⅛		⅛
¼	1 3 9 8 2 2	¼	1 5 0 7 5 4	¼	1 5 6 6 7 9	¼		¼		¼
⅝	1 4 0 0 5 0	⅝	1 5 0 9 8 2	⅝	1 5 6 6 8 0	⅝		⅝		⅝

INNAGE TABLE

IN	FT	IN	FT	IN	FT	IN	FT	IN	FT	IN
0		0		0		0		0		0
⅛		⅛		⅛		⅛		⅛		⅛
¼		¼		¼		¼		¼		¼
⅝		⅝		⅝		⅝		⅝		⅝
1		1		1		1		1		1
⅛		⅛		⅛		⅛		⅛		⅛
¼		¼		¼		¼		¼		¼
⅝		⅝		⅝		⅝		⅝		⅝
2		2		2		2		2		2
⅛		⅛		⅛		⅛		⅛		⅛
¼		¼		¼		¼		¼		¼
⅝		⅝		⅝		⅝		⅝		⅝
3		3		3		3		3		3
⅛		⅛		⅛		⅛		⅛		⅛
¼		¼		¼		¼		¼		¼
⅝		⅝		⅝		⅝		⅝		⅝
4		4		4		4		4		4
⅛		⅛		⅛		⅛		⅛		⅛
¼		¼		¼		¼		¼		¼
⅝		⅝		⅝		⅝		⅝		⅝
5		5		5		5		5		5
⅛		⅛		⅛		⅛		⅛		⅛
¼		¼		¼		¼		¼		¼
⅝		⅝		⅝		⅝		⅝		⅝
6		6		6		6		6		6
⅛		⅛		⅛		⅛		⅛		⅛
¼		¼		¼		¼		¼		¼
⅝		⅝		⅝		⅝		⅝		⅝
7		7		7		7		7		7
⅛		⅛		⅛		⅛		⅛		⅛
¼		¼		¼		¼		¼		¼
⅝		⅝		⅝		⅝		⅝		⅝
8		8		8		8		8		8
⅛		⅛		⅛		⅛		⅛		⅛
¼		¼		¼		¼		¼		¼
⅝		⅝		⅝		⅝		⅝		⅝
9		9		9		9		9		9
⅛		⅛		⅛		⅛		⅛		⅛
¼		¼		¼		¼		¼		¼
⅝		⅝		⅝		⅝		⅝		⅝
10		10		10		10		10		10
⅛		⅛		⅛		⅛		⅛		⅛
¼		¼		¼		¼		¼		¼
⅝		⅝		⅝		⅝		⅝		⅝
11		11		11		11		11		11
⅛		⅛		⅛		⅛		⅛		⅛
¼		¼		¼		¼		¼		¼
⅝		⅝		⅝		⅝		⅝		⅝

CAPACITIES GIVEN IN U. S. GALLONS

Strapped By: OPS
Computed by DHC
Checked by WLS

DATE AUGUST 1964

Date of Issue October 2, 1964

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E. W. SAYBOLT & CO., INC.

BY William L. Schroeder

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