



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

Certification Date: 25 Mar 2020
Expiration Date: 25 Mar 2021

Temporary 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.

This Temporary Certificate of Inspection is issued under the provision of Title 46 United States Code, Section 399, in lieu of the regular certificate of inspection, and shall be in force only until the receipt on board said vessel of the original certificate of inspection, this certificate in no case to be valid after one year from the date of inspection.

Vessel Name	Official Number	IMO Number	Call Sign	Service
KIRBY 28751	1123006			Tank Barge

Hailing Port	Hull Material	Horsepower	Propulsion
HOUSTON, TX	Steel		
UNITED STATES			

Place Built	Delivery Date	Keel Laid Date	Gross Tons	Net Tons	DWT	Length
JEFFERSONVILLE, IN	21Feb2002	02Dec2001	R-1754	R-1754		R-297.5
			-	-		1-0

Owner	Operator
KIRBY INLAND MARINE LP 55 WAUGH DR STE 1000 HOUSTON, TX 77007 UNITED STATES	KIRBY INLAND MARINE, LP 18350 Market St CHANNELVIEW, TX 77530 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 plus Limited Coastwise---

Also, in fair weather only, not more than twelve (12) miles from shore between St. Marks and Carrabelle, Florida.

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 Coast Guard District's Tank Barge Streamlined Inspection Program

*****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				This certificate issued by: <i>J. Andrew</i> J.J. ANDREW, CDR, USCG, By direction Officer in Charge, Marine Inspection Marine Safety Unit Port Arthur Inspection Zone
Date	Zone	A/P/R	Signature	



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Temporary Certificate of Inspection

Vessel Name: KIRBY 28751

(TBSIP). Inspection activities aboard this barge shall be conducted per its Tank Barge Action Plan (TAP). Inspection issues concerning this barge should be directed to OCMI Houston-Galveston.

---Hull Exams---

Exam Type	Next Exam	Last Exam	Prior Exam
DryDock	31Mar2030	25Mar2020	30Apr2012
Internal Structure	31Mar2025	25Mar2020	30Apr2012

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

Authorization: Grade "A" and lower and specified hazardous cargoes

Total Capacity	Units	Highest Grade Type	Part151 Regulated	Part153 Regulated	Part154 Regulated
28624	Barrels	A	Yes	No	No

Hazardous Bulk Solids Authority

Loading Constraints - Structural

Tank Number	Max Cargo Weight per Tank (short tons)	Maximum Density (lbs/gal)
1	1154	13.6
2 P/S	587	13.6
3 P/S	587	13.6
4	937	13.6

Loading Constraints - Stability

Hull Type	Maximum Load (short tons)	Maximum Draft (ft/in)	Max Density (lbs/gal)	Route Description
II	3866	10ft 3in	13.6	
III	4226	11ft 0in	13.6	

Conditions Of Carriage

Only Grade "A" and lower cargoes and specified hazardous cargoes named in the vessel's Cargo Authority Attachment (CAA), serial #C1-0102778, dated 23AUG01, 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.

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 Part 197, Subpart C, are applied.

Thermal fluid heater may only be operated when carrying grade "E" cargoes

STABILITY AND TRIM

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.

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.

--- Inspection Status ---



Temporary Certificate of Inspection

Vessel Name: KIRBY 28751

Cargo Tanks

Tank Id	Internal Exam			External Exam		
	Previous	Last	Next	Previous	Last	Next
1	30Apr2012	25Mar2020	31Mar2030	-	-	-
2 P/S	30Apr2012	25Mar2020	31Mar2030	-	-	-
3 P/S	30Apr2012	25Mar2020	31Mar2030	-	-	-
4	30Apr2012	25Mar2020	31Mar2030	-	-	-

Hydro Test

Tank Id	Safety Valves	Previous	Last	Next
1	-	-	-	-
2 P/S	-	-	-	-
3 P/S	-	-	-	-
4	-	-	-	-

---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
1	B-II

END



Certificate of Inspection

Cargo Authority Attachment

Vessel Name: ~~HMS 362~~ KIRBY 2875
Official #: 1123006

Shipyard: Jeffboat
Hull #: 01-2559

46 CFR 151 Tank Group Characteristics

Tank Group Information		Cargo Identification			Hull Type	Cargo Seg Tank	Tanks			Cargo Transfer		Environmental Control		Fire Protection Provided	Special Requirements		Elec Haz	Temp Cont
Tnk Grp	Tanks in Group	Density	Press.	Temp.			Type	Vent	Gauge	Pipe Class	Cont	Tanks	Handling Space		General	Materials of Construction		
A	1, 2(P/S), 3(P/S), 4	13.6	Atmos.	Amb.	II	1ii 2ii	Integral Gravity	PV	Open	II	G-1	NR	NA	Portable	.50-70(a), .50-70(b), .50-73, .50-81(a), .50-81(b).	56-1(d), (e), (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				
Name	Chem Code	Compat Group No	Sub Chapter	Grade	Hull Type	Tank Group	Vapor Recovery		Special Requirements in 46 CFR 151 General and Mat'l's of	Insp. Period	
							App'd (Y or N)	VCS Category			

Authorized Subchapter O Cargoes

Adiponitrile	ADN	37	O	E	II	A	No	N/A	No	G
Alkyl(C7-C9) nitrates	AKN	34 ²	O	NA	III	A	No	N/A	.50-81, 50-86	G
Anthracene oil (Coal tar fraction)	AHO	33	O	NA	II	A	No	N/A	No	G
Butyraldehyde (all isomers)	BAE	19	O	C	III	A	No	N/A	.55-1(h)	G
Camphor oil (light)	CPO	18	O	D	II	A	No	N/A	No	G
Carbon tetrachloride	CBT	36	O	NA	III	A	No	N/A	No	G
Chlorobenzene	CRB	36	O	D	III	A	No	N/A	No	G
Chloroform	CRF	36	O	NA	III	A	No	N/A	No	G
Creosote	CCW	21 ²	O	E	III	A	No	N/A	No	G
Cresols (all isomers)	CRS	21	O	E	III	A	No	N/A	No	G
Ethylene cyanohydrin	ETC	20	O	E	III	A	No	N/A	No	G
Ethylene glycol hexyl ether	EGH	40	O	E	III	A	No	N/A	No	G
Ethylene glycol propyl ether	EGP	40	O	E	III	A	No	N/A	No	G
2-Ethylhexyl acrylate	EAI	14	O	E	III	A	No	N/A	50-70(a), 50-81(a), (b)	G
Glutaraldehyde solution (50% or less)	GTA	19	O	NA	III	A	No	N/A	No	G
Isoprene	IPR	30	O	A	III	A	No	N/A	50-70(a), 50-81(a), (b)	G
Sodium chlorate solution (50% or less)	SDD	0 ^{1,2}	O	NA	III	A	No	N/A	50-73	G
Styrene monomer	STY	30	O	D	III	A	No	N/A	50-70(a), 50-81(a), (b)	G
Vinyl acetate	VAM	13	O	C	III	A	No	N/A	50-70(a), 50-81(a), (b)	G



Certificate of Inspection

Cargo Authority Attachment

Vessel Name: **HMS-302** KIRBY 28751

Shipyard: Jeffboat

Official #: 1123006

Page 2 of 2

Hull #: 01-2559

Explanation of terms & symbols used in the Table:

Cargo Identification

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.
Compatibility 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 (CG-3PSO-3), U.S. Coast Guard, 2100 Second Street, SW, Washington, DC 20593-0001. Telephone (202) 372-1425.
Note 2	See Appendix I to 46 CFR Part 150 - exceptions to the compatibility 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-occeangoing 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 sufficient 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 Carriage

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

Conditions of Carriage

Tank Group	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	Yes: The vessel's VCS has been reviewed and approved by the MSC to control vapors of the specified cargo.
Approved (Y or N)	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 components and restricting vapor flow which could lead to cargo tank overpressurization. The vessel's owner must develop a method of ensuring all VCS safety components are functional and polymer build-up is not causing an unsafe condition due to increased pressure in the vapor control piping and cargo tanks. The method shall be acceptable to the local Officer in Charge, Marine Inspection. This is in addition to the requirements of Category 1. Please note that a material not normally considered a monomer can be a problem in detonation arrester.
Category 3	(Highly toxic) VCSs for these toxic cargoes cannot use a spill valve or rupture disk as the primary means to meet the overfill protection requirement of 46 CFR 39.20-9. This requirement is in addition to the requirements of Category 1.
Category 4	(Polymerizes and highly toxic) Must comply with requirements of Categories 1, 2 and 3.
Category 5	(High vapor pressure) VCS pressure drop calculations for cargoes with a vapor pressure greater than 14.7 psia at 115 F must take into account increased vapor-air mixture densities and vapor growth rates as compared to Category 1 cargoes. Consult the Marine Safety Center's VCS Guidelines for further information. This requirement is in addition to the requirements of Category 1.
Category 6	(High vapor pressure and highly toxic) Must comply with requirements of Categories 1, 3 and 5.
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.

Safety valve inspection report

Certificate nr 773
Date 02-12-2020

Job no. LV-5433-SO
Client Kirby

Valve data

Set pressure (cold) 150 psi
Tag. No.
Serial No. 844063-3
Manufacturer Hydroseal
Type / Model 3FRV30F/C0

Size 1/2x3/4
Rating
Nozzle / Orifice 1/2
Fluid Air
Barge # KIRBY 28750

Test data

Set pressure test

Found set pressure 148 psi
Reseat pressure (indication) 87 psi
Result Passed

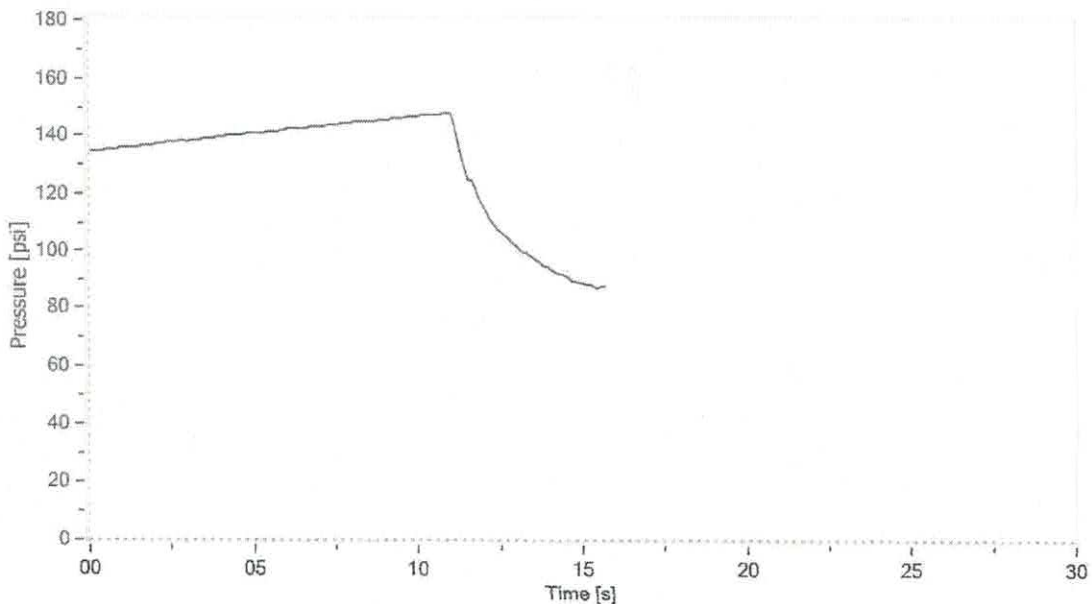
Test method

Seat tightness test

Leakage -
Test pressure -
Result -

Manual Back Pressure test

BP Pressure
BP Result



Tested by
Name
Date
Signature

David Theiler
2-12-2020
[Signature]

Inspected by

Name *Javier Gutierrez*
Date *2-12-20*
Signature *[Signature]*

Safety valve inspection report

Certificate nr 774
Date 02-12-2020

Job no. LV-5433-SO
Client Kirby

Valve data

Set pressure (cold) 150 psi
Tag. No.
Serial No. 844063-7
Manufacturer Hydroseal
Type / Model 3FRV30F/C0

Size 1/2x3/4
Rating
Nozzle / Orifice 1/2
Fluid Air
Barge # KIRBY 28750

Test data

Set pressure test

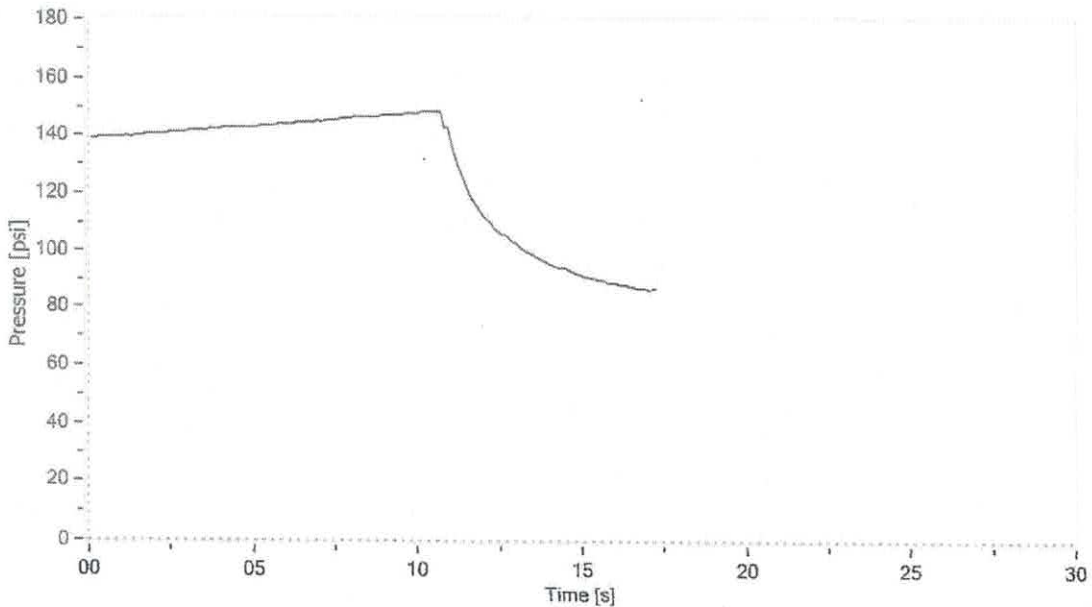
Found set pressure 149 psi
Reseat pressure (indication) 87 psi
Result Passed
Test method

Seat tightness test

Leakage -
Test pressure -
Result -

Manual Back Pressure test

BP Pressure
BP Result



Tested by
Name
Date
Signature

David Theiler
2-12-2020
[Signature]

Inspected by

Name *Javier Gutierrez*
Date 2-12-20
Signature *[Signature]*



16917 Market St, Channelview, TX 77530
(713)453-0413

LVT Sales Order LV-4712-SO

Barge Name K 28751

Work Order #

Shop Order & Test Report

Customer: Kirby Inland Marine Order # CW 667171

Make Kunkle Size 6" x 6" Model # 91K-P02

Serial # 4712-1 Inlet 6"250 Outlet 6"125

Constrution: Conventional RV Cap: Plain

Set Pressure: 125 psi pressure

Tag: Orifice: P

Work Required: Complete Overhaul Test Air

Condition Received: Good

General Condition Pre-repair

Inlet Dirty
Seats Dirty
Guide Dirty
Outlet Dirty

Spring Good Cond. Installed Gaskets
Work ST
Repairs

Parts replaced and other work:

Final Test Report

Date 12/2/2019

Set Pressure 125 psi pressure

Nozzle Ring Setting N/A

Back Pressure 30 PSI

Tested By: *Eduardo A. Perez*

Witnessed/Assy: *Raymond Vallado*

U.S. Coast Guard Witness

Type: SRV

Sales Order # 889798
Job # 3311256LUL

Birth #: 00JL3G
Date: Friday, February 14, 2020
Shipped Date: 2020/02/07

Owner: W & O SUPPLY (VAC)
Plant: ORANGE, TX
Customer #:
PO #: 1487076

Tag Number Most Recent	N/A Yes (Relief Valve)	Location Unit	N/A N/A	Other Tag Data Client/Asset #	N/A N/A																								
Manufacturer Model Number	Consolidated 1910-00Q-3-CC-MS-31-RF-LA-HP	Valve Size & Orifice S/N	6 Q 8 = 11.05 IN^2 SE08477	In/Outlet Rating Cap Type	300# RF / 150# RF Screwed																								
Soft Seat Mat'l	N/A	Soft Seat P/N	N/A	Special Cleaning?	No																								
Service	Non-compressible	Product Name	LIQUID	Applicable Code	Sec VIII																								
Pilot Model	****Pilot Information when applicable**** Pilot Model (Full)		****Pilot Information when applicable**** Pilot Serial																										
Set Pressure	125 PSIG	Total Back Pressure	0 PSIG	Cold Diff Test Press	125 PSIG																								
Operating Temp	80 F	BP Is / Constant	0	ASME Capacity	3836 US G/MIN																								
Mfg Lift	1.482 IN	Restricted Lift	N/A	Orifice	Q Bore Diam. 4.045																								
Req'd Spring	0612CR	Material	CHROME STEEL	From / To	120 to 136																								
Hydro Verified?	R.ANDERSON	Operating Pressure	100 PSIG	<div style="border: 1px solid black; padding: 5px;"> <p>Final Preparation Checklist</p> <table border="0"> <tr><td>Birth# Matches Valve</td><td>Yes</td></tr> <tr><td>Client Req'ments Check</td><td>Yes</td></tr> <tr><td>Valve Painted</td><td>Yes</td></tr> <tr><td>Valve Boarded</td><td>Yes</td></tr> <tr><td>Client ID Tag Attached</td><td>Yes</td></tr> <tr><td>Nameplate/Req'd Tags Attached</td><td>Yes</td></tr> <tr><td>Replacement Parts Pres. Tested</td><td>Yes</td></tr> <tr><td>VR/Code Stamp Applied</td><td>Yes</td></tr> <tr><td>Ext Adjustments Sealed</td><td>Yes</td></tr> <tr><td>Lever Adj'd & Strapped</td><td>N/A</td></tr> <tr><td>Flg Cover/Plugs Installed</td><td>Yes</td></tr> <tr><td>Sp Clean Valve Bagged</td><td>N/A</td></tr> </table> </div>		Birth# Matches Valve	Yes	Client Req'ments Check	Yes	Valve Painted	Yes	Valve Boarded	Yes	Client ID Tag Attached	Yes	Nameplate/Req'd Tags Attached	Yes	Replacement Parts Pres. Tested	Yes	VR/Code Stamp Applied	Yes	Ext Adjustments Sealed	Yes	Lever Adj'd & Strapped	N/A	Flg Cover/Plugs Installed	Yes	Sp Clean Valve Bagged	N/A
Birth# Matches Valve	Yes																												
Client Req'ments Check	Yes																												
Valve Painted	Yes																												
Valve Boarded	Yes																												
Client ID Tag Attached	Yes																												
Nameplate/Req'd Tags Attached	Yes																												
Replacement Parts Pres. Tested	Yes																												
VR/Code Stamp Applied	Yes																												
Ext Adjustments Sealed	Yes																												
Lever Adj'd & Strapped	N/A																												
Flg Cover/Plugs Installed	Yes																												
Sp Clean Valve Bagged	N/A																												
Checked-In By	R.ANDERSON	Gauge 1 ID	LUL00492																										
Dimensions By	R.ANDERSON	Gge 2/EVT S/N	LUL00491																										
Measured Lift	N/A	Final Test Press	125 PSIG																										
Disc Rock	IN	Result (Seats Tight)@	Passed @ 113 PSIG																										
Overlap Collar	N/A	BP Test @	Passed @ 30																										
Assembled By	R.ANDERSON	Date Tested	2020/02/05																										
BD Ring-Up	N/A	Tested By	N.KORUTZ																										
BD Ring-Low	25 Notches	Witnessed By	R.ANDERSON																										
Test Media	Water	Final Inspected By	R.ANDERSON																										
Test Method	Bench	CI/QC Inspector	C. Austin																										

Comments

Valve Converted on Date: 2020/02/05 Authorized By: Elizabeth Bourgeois

Convert valve to Liquid Trim
Install: LTR13
AS070 Rev. 20 - Machine Spring Washers

TORQUED TO 130 FT/LBS LUL00561

Description

