

REPAIR TRAVELER / TEST REPORT

Customer: _____ Location Quincy, MA CO# _____ WO# _____ Object ID: _____ WT#: _____
Customer P.O. # _____ Contact _____ Rec'd Date: _____ Due Date: _____

Description:

MFG: Farris Model No. 27DA23-220/S4 Valve S/N 866618-1-KE Shop No. N/A
Size: 3/4" x 1" Inlet: FLANGED Outlet: FLANGED Spring No. C3047SS Set Pressure: 350
Cap.: 63 GPM Back Press.: N/A Cold Set: 353.5 Code: V UV Other None
Conventional Bellows Lever/Cap Type: CLOSED CAP Connections: FLANGES
Prior Conversion: Type of Conversion: N/A Previous Model No.: N/A

Pretest Condition:

Service Required: Pretest Test Only Visual Inspection DIRTY Seals Intact: Yes No
Test & Reset Complete Repair Tightness FAILED As Found Set 349.8
Test Medium: Air Liquid Steam Nitrogen Adjustments/Remarks N/A
Settings: Comp. Screw 1.356 Nozzle Ring N/A Guide Ring N/A Spring Range C3047SS INIT: AS
Set Pressure Change: Change to N/A PSIG New Capacity N/A Spring No. 343-410 No Change
New Conversion: Type of Conversion: N/A New Model No. N/A

Disassembly, Inspection and Repair

Valve Part:	Condition:	Work Completed By:	Work Performed & Parts Verified as OEM
Seals	G	AS	C
Nameplate	G	AS	C
Comp. Screw	G	AS	C
Bonnet Assy.	N/A	AS	N/A
Spring	S	AS	R
Upper Washer	G	AS	C
Lower Washer	G	AS	C
Body	G	AS	C
Inlet Flange	G	AS	C
Outlet Flange	G	AS	C
Guide	G	AS	C
Guide Ring	N/A	N/A	N/A
Disc	G	AS	C/L
O-Rings	N/A	N/A	N/A
Disc Holder	G	AS	C
Nozzle	G	AS	C/L
Nozzle Ring	N/A	N/A	N/A
Spindle	G	AS	C
Cap	G	AS	C
Lever	N/A	N/A	N/A
Bellows	N/A	N/A	N/A
Guide Ring Pin	N/A	N/A	N/A
Nozzle Ring Pin	N/A	N/A	N/A
Weld/NDE/H.T.	N/A	N/A	P.O.# N/A
ASSEMBLED BY	AS	AS	AS

Finished Condition Report

Test Medium: Air Liquid Steam Nitrogen
Set Pressure: 350 CDP 353.5 Temp. _____
Final Test Pressure 355.8
Seat Leakage: Bubble N/A Visual X Audio N/A
Blowdown: FIXED Action: N/A Tight To: 315
Bellows Leak Test: N/A
Ring Positions: Nozzle: N/A Guide: N/A
Back Pressure Test: Pass: Fail: @ 30 psig
VR Symbol Stamp Applied: Yes / No
Test Only Tag Applied: Yes / No
Paint: Seals: Flange Protectors:
Customer Reference: TAG# F-169
Previous Repair: Record on Back N/A
Softgood Kit # Used: _____
Remarks: NO SPRING ID, REPLACED SPRING. REPLACED GASKET SET. NOZZLE WAS LOOSE WHEN DISASSEMBLING.

FINAL TEST AND WITNESS APPROVAL

Tested By: ALEX ST. AUBIN Date: 3/12/2021
Gauge #: VC25-SRV-FLII
Customer Witness: N/A

FINAL Q.A. REVIEW AND APPROVAL

Q.A. Mgr: Christopher Carter Date: 3/17/2021

CONDITION: G=Good; F=Fouled; C-Cut; P-Pitted; E-Eroded; M=Missing; B=Broken; S=Scrap
WORK PERFORMED: C-Cleaned; M=Machined; L-Lapped; W-Welded; R=Replaced

PREVIOUS REPAIR BY:	MPS	DATE:	11/11/2019
VR STAMPED <input checked="" type="checkbox"/> YES VR# 744 <input type="checkbox"/> NO		TYPE	N/A
SET @	350	CAP	N/A
SHOP #:	AX-1315		
TAG:	N/A		

THE FOLLOWING DIMENSIONS ARE FOR THE CURRENT (NOT PREVIOUS) REPAIR

PRV REPAIR REFERENCE INFORMATION ONLY					
PRV CRITICAL INSPECTION POINT	MANUFACTURER'S SPECIFICATION	"AS FOUND" DIMENSION	AFTER MACHINING	ACCEPT	REJECT
NOZZLE BORE (TOL + .010"/-.000")	NB-18 0.400	0.402	N/A	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NOZZLE ID	0.499 +0.002/-0.002	0.500	N/A	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NOZZLE OD	0.561 +0.000/-0.002	0.560	N/A	<input checked="" type="checkbox"/>	<input type="checkbox"/>
NOZZLE INSIDE STEP	N/A	N/A	N/A	<input type="checkbox"/>	<input type="checkbox"/>
NOZZLE OUTSIDE STEP	N/A	N/A	N/A	<input type="checkbox"/>	<input type="checkbox"/>
NOZZLE OVERALL HEIGHT	0.985 MIN	1.000	N/A	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DISC OD	0.560	0.561	N/A	<input checked="" type="checkbox"/>	<input type="checkbox"/>
DISC STEP	N/A	N/A	N/A	<input type="checkbox"/>	<input type="checkbox"/>
SPINDLE	N/A	N/A	N/A	<input type="checkbox"/>	<input type="checkbox"/>
DISC OVERALL LENGTH	0.344 MIN	0.352	N/A	<input checked="" type="checkbox"/>	<input type="checkbox"/>
GUIDE ID	N/A	N/A	N/A	<input type="checkbox"/>	<input type="checkbox"/>
HOLDER ID	N/A	N/A	N/A	<input type="checkbox"/>	<input type="checkbox"/>
HOLDER OD	N/A	N/A	N/A	<input type="checkbox"/>	<input type="checkbox"/>

Depth Mic Cal ID#:	Caliper Cal ID#: DC-2	Other Instrument Cal ID#: DC-2
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LIFT	Applicable Code Case
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HYDRO MARKING VERIFIED ON REPLACED PARTS	Yes <input type="checkbox"/>	N/A <input type="checkbox"/>
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HydroTest BY:	GAUGE:	HYDRO TEST PRESSURE:
COMMENTS		

Safety valve inspection report

Certificate nr	75	Job no.	RUSH
Date	04-03-2021	Client	TWIN RIVERS

Valve data

Set pressure (cold)	353.5 psi	Size	3/4 X 1
Tag. No.	F-169	Rating	
Serial No.	866618-1-KE	Nozzle / Orifice	D
Manufacturer	FARRIS	Fluid	LIQUID
Type / Model	27DA23-220/S4		

Test data

Set pressure test

Found set pressure	349.8 psi
Reseat pressure (indication)	349.8 psi
Result	Passed
Test method	BENCH

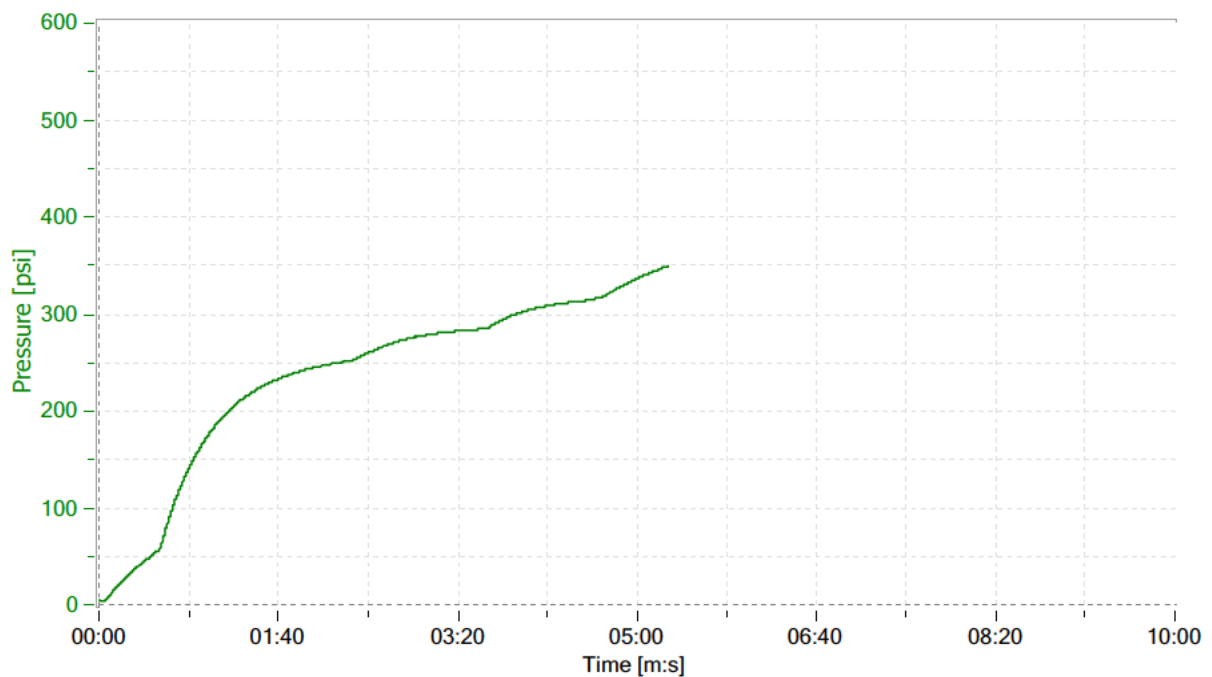
Seat tightness test

Leakage	3584 [ccm/h] bubbles/min.
Test pressure	5.0 psi
Result	Failed

Backpressure test

Pressure	-
Result	-

Used transducers -



Tested by
Name
Date
Signature

Inspected by
Name
Date
Signature

Safety valve inspection report

Certificate nr 80
Date 12-03-2021

Job no.
Client

WO#6307
TWIN RIVERS TECHNOLOGY

Valve data

Set pressure (cold) 353.5 psi
Tag. No. TAG# F-169
Serial No. 866618-1-KE
Manufacturer FARRIS
Type / Model 27DA23-220/S4

Size 3/4 X 1
Rating 300 X 150
Nozzle / Orifice D
Fluid

Test data

Set pressure test

Found set pressure 355.8 psi
Reseat pressure (indication) 355.8 psi
Result Passed
Test method WATER

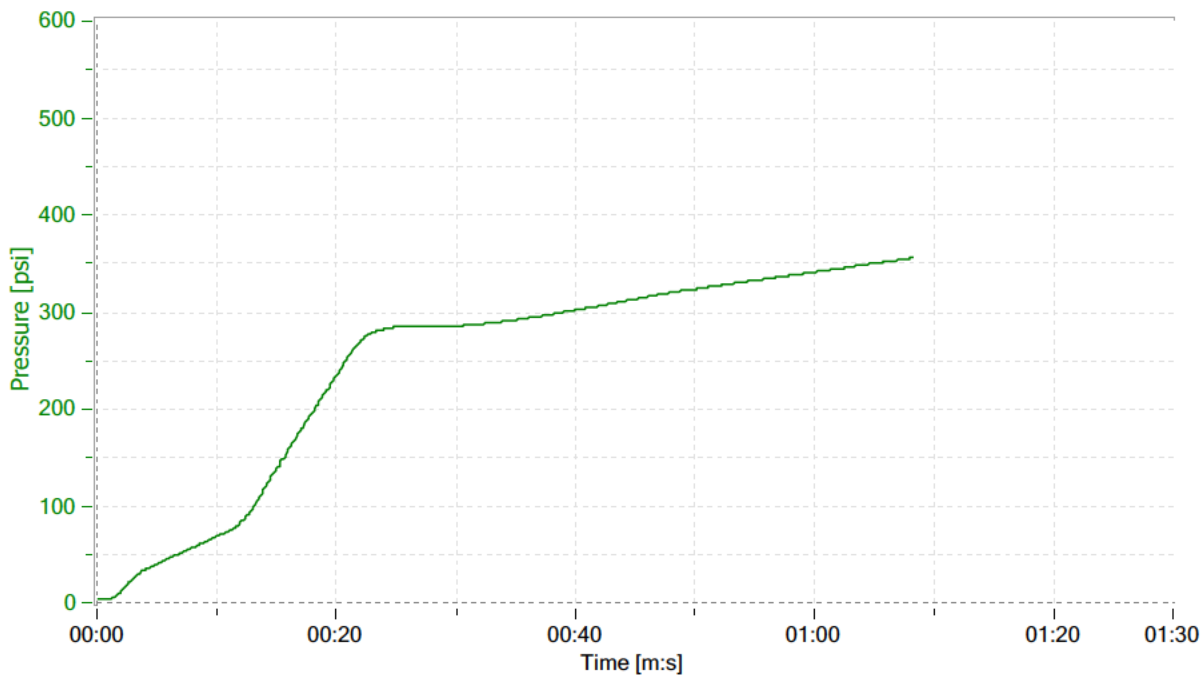
Seat tightness test

Leakage 0 [ccm/h] bubbles/min.
Test pressure 5.1 psi
Result Passed

Backpressure test

Pressure 31.7 psi
Result Passed

Used transducers -;-



Tested by
Name W/T#13553
Date
Signature

Inspected by
Name
Date
Signature

