POWELL

POWELL CANADA INC. *9608 A 69th Ave., Clairmont, AB T0H 0W0 PH: (780) 402-6999 Fax: (780) 402-6900*

Date: Mar. 25/11

Revision: 34-4620

QR7 Oracle SO#:

INSPECTION AND TEST REPORT - PSV / PRV

SO#: 0700 - 61180 . 12 . 14

Customer: CNRL	District:	Location: WORSELY WEST	CUST PO#: TA121132	Date: JUL.16/12
S.R.#: 61180	Repair#: 202352	CST Tag #: SEPARATOR	PCI ID: P82529	Assoc. Doc #: N/A — Sales Code

Customer Instructions: PRE-TEST & REPAIR (RUSH) Contact: JASON BOWIE CC#: APPROVER CODE: P096

Requested Completion Date: JUL.16/12 A#: 0532851 LSD: 05-15-087-09W6 Phone: 780-834-6703

INCOMING RECEIVING

Make: TAYLOR Model: T-8200-1 S/N: 28465-105 Shop # ____ CRN#: 0G1316.2C

Size: 1 In E Orf. 1 Out End Type: SCREWED (M) Cap Assy.: ☐ Open ☒ Closed ☐ Lift Lever Adj. Screw Meas. 1.556

Visual Condition: ☐ Good ☐ Fair ☐ Poor ☐ Fouling ☒ Dirty ☐ Plugged Condition Rating: ☐ New ☐ Routine ☐ Minor ☐ Major ☐ BER

Seal Condition: Top: GOOD Bottom: GOOD Insignia: PCI Last Service Date: ____ Data Plate Condition: GOOD

Op.Temp.: ____ C Capacity: 5180 SCFM/AIR Code Symbol: ☐ V ☒ UV ☐ HV ☒ NB ☐ None ☐ Other

Set Pressure: 1440 psig 9929 kpag Back Pressure: ____ psig ____ kpag Cold Differential Set: 1440 psig 9929 kpag Info. Verification: DK

PRE TEST

◉ YES ○ NO

Set Pressure: 1440 psig ____ kpag Tested By: DK Testing Medium: AIR

Relieve Press.: 1445 psig ____ kpag Reseat Press.: 1140 psig ____ kpag No Reseat: ____

Comments: 1ST: 1445 psig ____ kpag 2ND: 1442 psig ____ kpag 3RD: 1439 psig ____ kpag Leakage Rate: 0 BPM

◉ PASS ○ FAIL

IN PROCESS INSPECTION & RECONDITIONING: (REF. SPM 03; 04; 07; 08; 09; 10; 11; 12.)

LABOUR: Dismantle: GS Inspection: DK Reassemble: DK

SWI 4043 CONDITION CODES: A - Good; B - Bent; C - Broken; D - Clean; E - Cracked; F - Collapsed; G - Corroded Mild; H - Corroded Severe; I - Deposits Light; J - Deposits Heavy; K - Eroded; L - Galled; M - Incorrect; N - Inoperable; O - Missing; P - Out of Tolerance; Q - Pitted; R - Plugged; S - Poor; T - Marked; U - Scored/Scratched; V - Leaks; W - Requires Replacing; X - Requires Re-Aluminizing; Y - Seized; Z - Worn; 1 - Stripped; 2 - Non-OEM; 3 - Threads Stripped; 4 - Blown; 5 - Pin Holes; 6 - Spindle Runout; 7 - Steam Cut; 8- N/A

WORK CODES: 1 - Replaced; 2 - Renew Next Repair; 3 - Lapped & Machined; 4 - Machined; 5 - Lapped; 6 - Polished; 7 - Re-Aluminized; 8 - Left Alone; 9 - Repaired; 10 - Clean & Use; 11 - Welded; 12 - N/A

INTERNAL CONDITIONS See SWI# 4043 on the left of this document for definitions.

ITEM	DESCRIPTION	COND. CODES	WORK CODES	QTY
1	Recondition & Test			1
2	Priority Rate			1
3	Certification Test Only			
4	Pre Pop Test			1
5	Back Pressure Test			1
6	Bellows Test			
7	Cap Assembly ☐ Mild ☐ Subst ☐ Sev	A	10	
8	Repack Lift Lever			
9	Adjusting Screw / Nut ☐ Mild ☐ Subst ☐ Sev	A	10	
10	Bonnet			
11	Spring / Number	A	10	
12	Spring Buttons	A	10	
13	Spindle / Stem ☐ Mild ☐ Subst ☐ Sev			
14	Stem Retainer ☐ Mild ☐ Subst ☐ Sev			
15	Guide ☐ Mild ☐ Subst ☐ Sev	A	10	
16	Bellows			
17	Ring Pin			
18	Blowdown Ring(s)			
19	Disc Holder ☐ Mild ☐ Subst ☐ Sev			
20	Disc ☐ Mild ☐ Subst ☐ Sev			
21	Nozzle ☐ Mild ☐ Subst ☐ Sev			
22	Ball Keeper			
23	Keeper Seal			
24	Ball			
25	Ball / Seat Assembly	A	10	
26	Seat Frame	A	10	
27	Body	A	10	
28	Gaskets	W Z	1	1
29	Inlet ☐ Mild ☐ Subst ☐ Sev	A	10	
30	Outlet ☐ Mild ☐ Subst ☐ Sev	A	10	
31	Lap Nozzle to Base			

MATERIAL:

ITEM	DESCRIPTION	QTY	PCI P.O. #
32			
33			
34			
35			
36	Duplicate Tag (SPM 3.5)		
37	Sub Contractor		
38	Cap Assembly		
39	Lift Lever		
40	Adjusting Screw / Nut		
41	Bonnet		
42	Spring / Number		
43	Spring Buttons		
44	Spindle / Stem		
45	Stem Retainer		
46	Guide		
47	Bellows		
48	Ring Pin		
49	Blowdown Ring		
50	Disc Holder		
51	Disc		
52	Nozzle		
53	Ball Keeper		
54	Keeper Seal		
55	Ball		
56	Ball / Seat Assembly		
57	Seat Frame		
58	Body		
59	Gasket Set	1	STK
60	Reset Tag (SPM 3.3 ; 3.4)		
61	Shop Supplies	1	
62	Hazardous Waste Disposal	1	

COMMENTS

Additional: ☐ Cleaning ☐ Lapping Nozzle ☐ Lapping Disc ☐ Pipe Fitting for Reassembly & Test ☐ Recommended Replacements

- VALVE DIRTY.

POST ASSEMBLY INSPECTION & SIGN OFF (Refer to QR8 #14): DANIEL KOPPEL DATE: Jul.16/12 NEW MODEL#: ____

MEASMNT. DATA

IM&T Equipment (REF. SPM 05) Linial# 3003359.12 Pressure# 3003140 Test Bench# 3005510

Min. Man. Specified Dimensions	Dimensions As Found	Dimensions After Machining	Action Taken
Disc Ht. ____ Step ____	Disc Ht. ____ Step ____	Disc Ht. ____ Step ____	☒ Accept ☐ Machine
Nozzle Ht. ____ Step ____	Nozzle Ht. ____ Step ____	Nozzle Ht. ____ Step ____	☐ Customer Review

TEST DATA

Set Point: Definition: POP Tolerance: 3% Set Using: ☒ Air ☐ Nitrogen ☐ H2O ☐ Air / H2O ☒ Lock Nut Secured

Set Pressure Change: ○ Yes ◉ No ☐ New Spring ☐ Non Code Repair ☐ Ring Pin Torqued

QR018B Item #: ____ ☐ Lift Lever Ass'y Secured

QR018C Item #: ____

Set Pressure: 1440 psig 9929 kpag

Back Pressure: ____ psig ____ kpag Capacity: 5180 SCFM/AIR Service Interval: 12 Months

Cold Diff. Set: 1440 psig 9929 kpag Reseat: ____ Date: JUL.16/12

Bellows Test @: ____ psig ____ kpag Ring Setting: Upper: ____ Tested By: DK

Back Press. Test: 100 psig 690 kpag Blowdown: ____ Lower: ____

Leakage Rate: 0 BPM ☒ Ends Covered ☒ Appearance ☒ Packing Slip Witness: GS

Comments: GOOD ZERO LEAKS ☒ Painting ☒ Tagging CMT - 2311 Final Inspection: DK

To ensure you have the most current edition of this document, access Powell Canada Inc.'s electronic version. This document may be considered obsolete if printed.