

CERTIFICATE OF CONFORMANCE
FOR
MATERIALS SHIPPED

Tulsa Gas Technologies, Inc. (TGT) hereby certifies that all materials in the manufacture of serial number 18091225 TRILLIUM and/or manufacturing specifications indicated in drawings, bulletins or specifications as called for on the said purchase order. Test reports are on file with us or with our suppliers for examination and indicate conformance with applicable specification requirements. In production items listed, no direct contact was made with mercury, any of its compounds nor with any mercury containing devices employing a single boundary for containment. Tulsa Gas Technologies, Inc. also certifies that the parts listed and shipped on the date indicated are manufactured in accordance with Parker specifications and quality standards, if applicable, as stated on the drawings or specifications called for on said purchase order. All parts and test conform to AGA I-93.

SIGNED BY: *C. R. Kendall*

TITLE: ASSEMBLY

DATE: 9/5/2018

Tulsa Gas Technologies, Inc.
 4809 S. 101st. E. Ave.
 Tulsa, OK 74146
 918-665-2641

Disp. Serial # S/N 18091225
 Customer Name TRILLIUM
 Customer PO 4500023965
 Date Required 9/4/2018

ASSEMBLY/CERTIFICATION SHEET

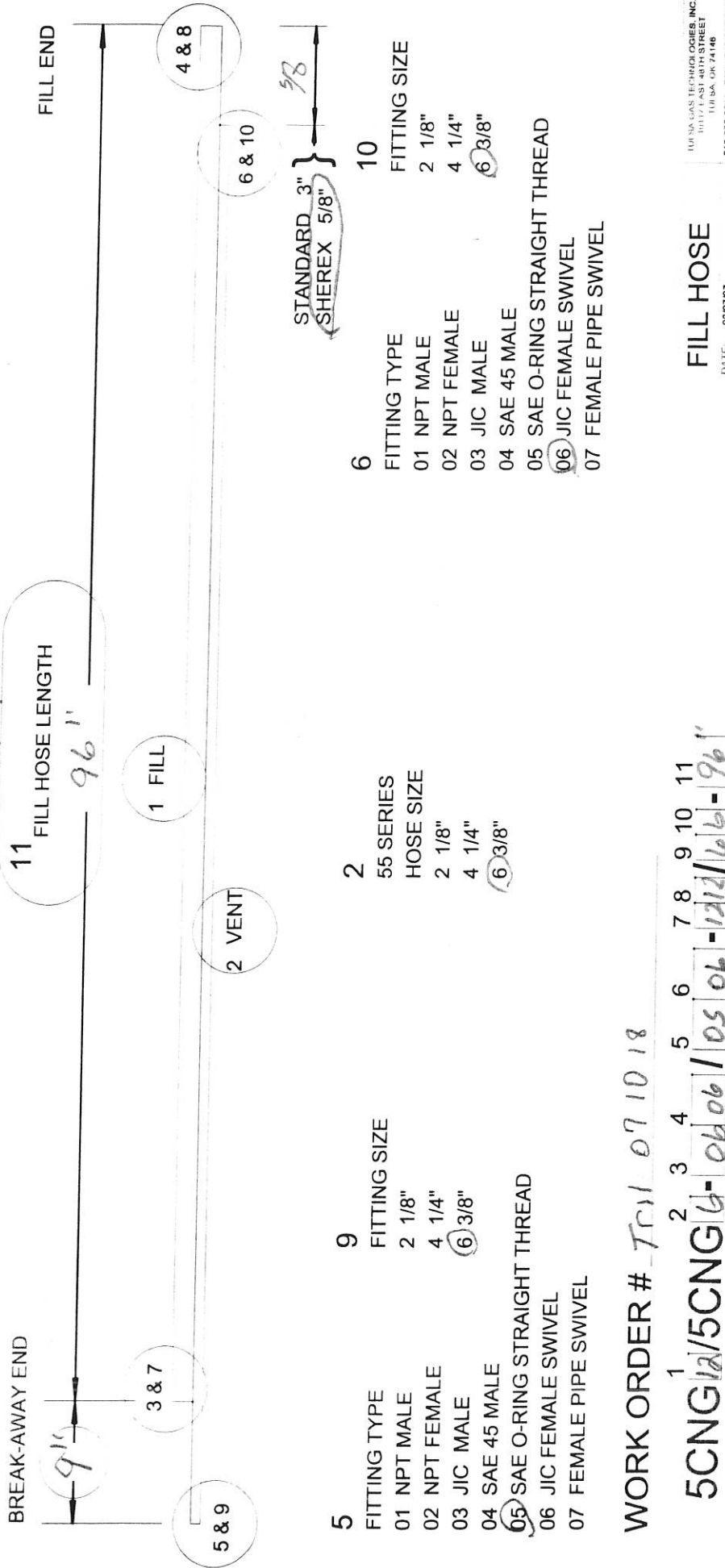
		SIGN	DATE
1	<input checked="" type="checkbox"/> Review shop work order versus customer print and history	<u>CK</u>	<u>9/4/2018</u>
2	<input checked="" type="checkbox"/> Component part numbers: _____ Pack dates and/or QC codes _____ 5222715604	<u>CK</u>	<u>9/4/2018</u>
3	<input checked="" type="checkbox"/> ID band number _____ 5CNG12/5CNG6-0606/0506-1212/66-96"	<u>ck</u>	<u>9/4/2018</u>
4	<input checked="" type="checkbox"/> Hose Cut Length _____ 96"	<u>ck</u>	<u>9/4/2018</u>
5	Pre-expansion of hose (if required) Size _____ Remarks: _____		
6	<input checked="" type="checkbox"/> Audit and mark appropriate insertion depth	<u>CK</u>	<u>9/4/2018</u>
7	Add special accessories _____ Remarks: _____		
8	<input checked="" type="checkbox"/> Apply danger tag and ID band	<u>ck</u>	<u>9/4/2018</u>
9	<input checked="" type="checkbox"/> Install bend restrictors Remarks: _____	<u>ck</u>	<u>9/4/2018</u>
10	<input checked="" type="checkbox"/> Assemble fittings; check insertion depth Remarks: _____	<u>ck</u>	<u>9/4/2018</u>
11	Set offset angle and/or orientation Remarks: _____		
12	<input checked="" type="checkbox"/> Perform crimp or swage on product/crimp set die-using Parker Catalog 4660, page K58 _____ 1/2) 80C-PO8H _____ 3/8) 80C-PO6H _____ 1/4) 80C-PO4H _____ 1/8) 80C-PO2 _____ 3/8) 80C-PO6 _____ X 3/4) 80C-P12H	<u>ck</u>	<u>9/4/2018</u>
13	Add special accessories after crimping/swaging _____		
14	Perform and record burst test results, if applicable Remarks: _____		
15	Air test, if applicable Test pressure Psi _____ Seconds _____ ; Pass/Fail (Circle One) Remarks: _____		
16	<input checked="" type="checkbox"/> Hydrostatic proof test Test pressure Psi <u>10,000</u> Seconds <u>30</u> ; Pass/Fail (Circle One) Remarks: <u>Passed Pressure Test</u>	<u>ck</u>	<u>9/4/2018</u>
17	<input checked="" type="checkbox"/> Flush method water, and then air	<u>ck</u>	<u>9/4/2018</u>
18	<input checked="" type="checkbox"/> Perform and record conductivity test; Meter _____ Megger Mit200 Hose resistance _____ 0 _____ (-) Electrode resistance _____ 0.03 0.03	<u>ck</u>	<u>9/4/2018</u>
19	<input checked="" type="checkbox"/> Final audit: Check boxes for items inspected, as applicable: <input checked="" type="checkbox"/> Correct hose; <input checked="" type="checkbox"/> Correct fittings; <input checked="" type="checkbox"/> Correct customer PN Check swage or crimp diameters: _____ 5CNG-4-55 .580+-.05 _____ 5CNG-4-58 .785/.805 _____ 5CNG-8-58 .900/.920 _____ 5CNG-6-55 .675/.695 <input checked="" type="checkbox"/> 5CNG-12-58 1.20/1.22 *****100% VISUAL INSPECT FOR THE FOLLOWING***** <input checked="" type="checkbox"/> Hose fittings crimped; <input checked="" type="checkbox"/> Air passes through assembly; <input checked="" type="checkbox"/> Presence of threads	<u>ck</u>	<u>9/4/2018</u>
20	<input checked="" type="checkbox"/> Cap and package hose	<u>ck</u>	<u>9/4/2018</u>
21	<input checked="" type="checkbox"/> Certificate of Conformance for Materials Shipped (on back)	<u>ck</u>	<u>9/4/2018</u>

- 3 FITTING TYPE
- 01 NPT MALE
- 02 NPT FEMALE
- 03 JIC MALE
- 04 SAE 45 MALE
- 05 SAE O-RING STRAIGHT THREAD
- 06 JIC FEMALE SWIVEL
- 07 FEMALE PIPE SWIVEL

- 1 58 SERIES HOSE SIZE
- 4 1/4"
- 6 3/8"
- 8 1/2"
- 10 5/8"
- 12 3/4"

- 4 FITTING TYPE
- 01 NPT MALE
- 02 NPT FEMALE
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- 01 NPT MALE
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- 06 JIC FEMALE SWIVEL
- 07 FEMALE PIPE SWIVEL

- 2 55 SERIES HOSE SIZE
- 2 1/8"
- 4 1/4"
- 6 3/8"

- 6 FITTING TYPE
- 01 NPT MALE
- 02 NPT FEMALE
- 03 JIC MALE
- 04 SAE 45 MALE
- 05 SAE O-RING STRAIGHT THREAD
- 06 JIC FEMALE SWIVEL
- 07 FEMALE PIPE SWIVEL

- 10 FITTING SIZE
- 2 1/8"
- 4 1/4"
- 6 3/8"

WORK ORDER # TR11 071018

5CNG12/5CNG6-0606/0506-1212/66-96

FILL HOSE

DATE: 03/27/97
 DESIGNED BY: C. SEWELL
 DRAWN BY: C.R.S.
 DWG. NO. FILLHOSE_worfordr.dwg

CHECKED BY: SCALE: NONE
 SHEET NO. OF: REV. 1

LUBSA GAS TECHNOLOGIES, INC.
 11111 LUBSA DR #1140
 918-665-2641 FAX: 918-665-2657

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Tulsa Gas Technologies, Inc. (TGT) hereby certifies that all materials in the manufacture of serial number 18091225 TRILLIUM.and/or manufacturing specifications indicated in drawings, bulletins or specifications as called for on the said purchase order. Test reports are on file with us or with our suppliers for examination and indicate conformance with applicable specification requirements. In production items listed, no direct contact was made with mercury, any of its compounds nor with any mercury containing devices employing a single boundary for containment. Tulsa Gas Technologies, Inc. also certifies that the parts listed and shipped on the date indicated are manufactured in accordance with Parker specifications and quality standards, if applicable, as stated on the drawings or specifications called for on said purchase order. All parts and test conform to AGA I-93.

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 4809 S. 101st. E. Ave.
 Tulsa, OK 74146
 918-665-2641

Disp. Serial # S/N 18091225
 Customer Name TRILLIUM
 Customer PO 4500023965
 Date Required 9/4/2018

ASSEMBLY/CERTIFICATION SHEET

	SIGN	DATE
1 <input checked="" type="checkbox"/> Review shop work order versus customer print and history	<u>CH</u>	<u>9/4/2018</u>
2 <input checked="" type="checkbox"/> Component part numbers: _____ Pack dates and/or QC codes _____ 5222715603	<u>CH</u>	<u>9/4/2018</u>
3 <input checked="" type="checkbox"/> ID band number _____ 5CNG12/5CNG6-0606/0506-1212/66-36"	<u>CH</u>	<u>9/4/2018</u>
4 <input checked="" type="checkbox"/> Hose Cut Length _____ 36"	<u>CH</u>	<u>9/4/2018</u>
5 _____ Pre-expansion of hose (if required) Size _____ Remarks: _____		
6 <input checked="" type="checkbox"/> Audit and mark appropriate insertion depth	<u>CH</u>	<u>9/4/2018</u>
7 _____ Add special accessories _____ Remarks: _____		
8 <input checked="" type="checkbox"/> Apply danger tag and ID band	<u>CH</u>	<u>9/4/2018</u>
9 <input checked="" type="checkbox"/> Install bend restrictors _____ Remarks: _____	<u>CH</u>	<u>9/4/2018</u>
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17 <input checked="" type="checkbox"/> Flush method water, and then air	<u>CH</u>	<u>9/4/2018</u>
18 <input checked="" type="checkbox"/> Perform and record conductivity test; Meter _____ Megger Mit200 Hose resistance _____ 0 _____ (-) Electrode resistance _____ 0.01 0.01	<u>CH</u>	<u>9/4/2018</u>
19 <input checked="" type="checkbox"/> Final audit: Check boxes for items inspected, as applicable: _____ <input checked="" type="checkbox"/> Correct hose; _____ <input checked="" type="checkbox"/> Correct fittings; _____ <input checked="" type="checkbox"/> Correct customer PN Check swage or crimp diameters: _____ 5CNG-4-55 .580+-.05 _____ 5CNG-4-58 .785/.805 _____ 5CNG-8-58 .900/.920 _____ 5CNG-6-55 .675/.695 _____ X _____ 5CNG-12-58 1.20/1.22 *****100% VISUAL INSPECT FOR THE FOLLOWING***** _____ <input checked="" type="checkbox"/> Hose fittings crimped; _____ <input checked="" type="checkbox"/> Air passes through assembly; _____ <input checked="" type="checkbox"/> Presence of threads	<u>CH</u>	<u>9/4/2018</u>
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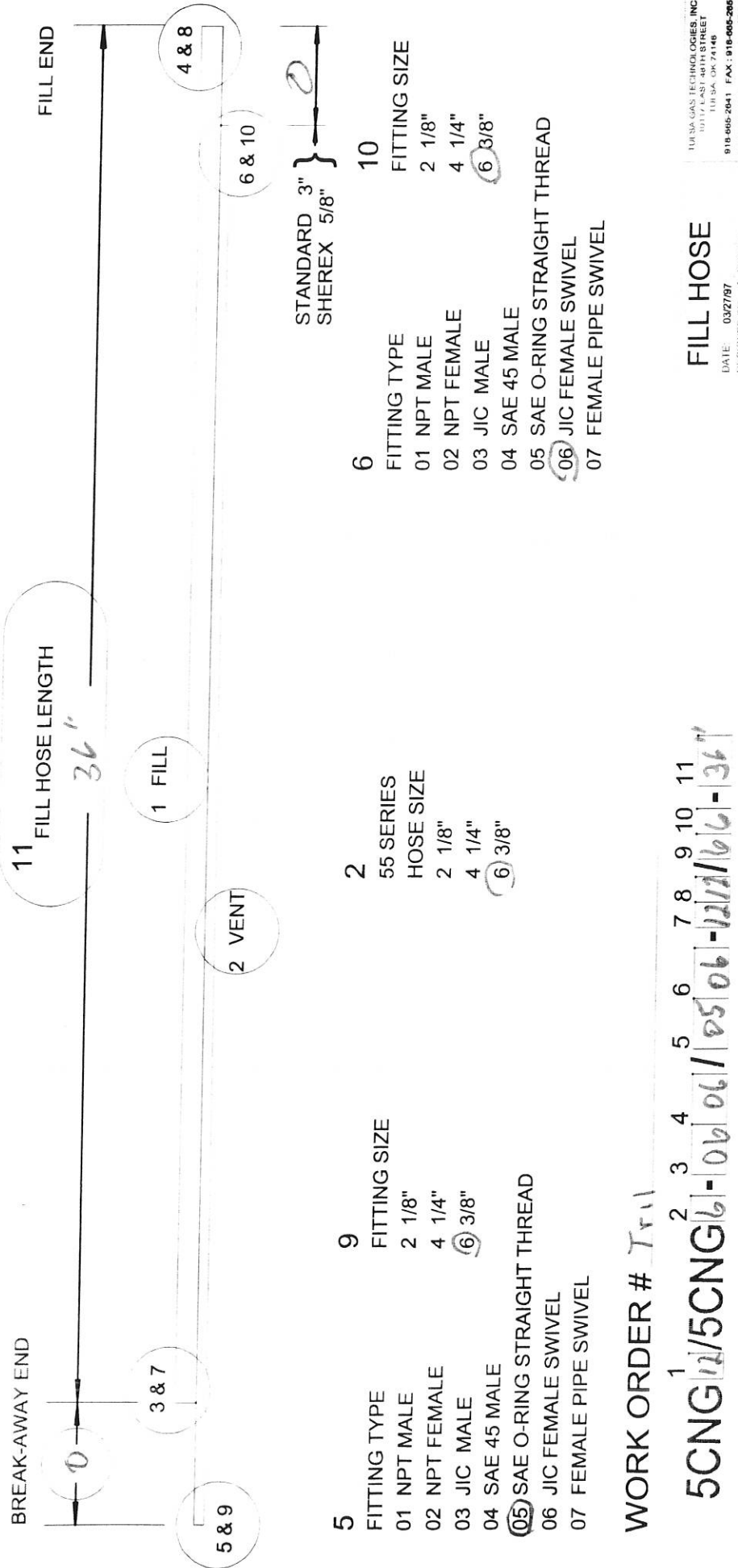
0.01

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- 03 JIC MALE
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- 06 JIC FEMALE SWIVEL
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- 1 58 SERIES
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- 4 1/4"
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STANDARD 3" }
 SHEREX 5/8" }

WORK ORDER # Trail

5CNG ¹ 12/5CNG ² 06/06/05 ³ 06 ⁴ 12/11/06 ⁵ 06 ⁶ 12/11/06 ⁷ 06 ⁸ 11 ⁹ 06 ¹⁰ 11 ¹¹ 06 - 36"

FILL HOSE

DATE: 03/27/97
 DESIGNED BY: C. SEWELL
 DRAWN BY: C.R.S.
 DWG. NO. FILLHOSE_worlorder.dwg

SCALE: NONE
 SHEET NO. OF: 1

1/4" SAE GAS TECHNOLOGIES, INC.
 3011 W. 130th STREET
 TULSA, OK 74110
 918-665-2041 FAX: 918-665-2057

REV. 1