

CERTIFICATE OF CONFORMANCE  
FOR  
MATERIALS SHIPPED

Tulsa Gas Technologies, Inc. (TGT) hereby certifies that all materials in the manufacture of hoses on TGT Work Order Number TRIL071416B received by us from TRILLIUM TRANSP. conform to the material 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: 12/29/2016

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

Work Order # TRIL071416B  
 Customer Name TRILLIUM TRANSP.  
 Customer PO 4500002354  
 Date Required 12/9/2016

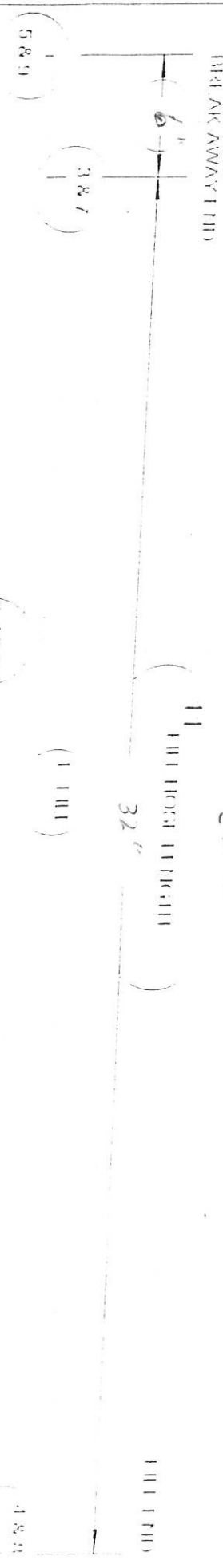
ASSEMBLY/CERTIFICATION SHEET

		SIGN	DATE
1	<input checked="" type="checkbox"/> Review shop work order versus customer print and history	<u>CK</u>	<u>12/29/2016</u>
2	<input checked="" type="checkbox"/> Component part numbers: _____ Pack dates and/or QC codes <u>5215606812</u>	<u>CK</u>	<u>12/29/2016</u>
3	<input checked="" type="checkbox"/> ID band number <u>5CNG8/5CNG4-0606/05065-128/24-32"</u>	<u>CK</u>	<u>12/29/2016</u>
4	<input checked="" type="checkbox"/> Hose Cut Length <u>32"</u>	<u>CK</u>	<u>12/29/2016</u>
5	<input type="checkbox"/> Pre-expansion of hose (if required) Size _____ Remarks: _____		
6	<input checked="" type="checkbox"/> Audit and mark appropriate insertion depth	<u>CK</u>	<u>12/29/2016</u>
7	<input type="checkbox"/> Add special accessories _____ Remarks: _____		
8	<input checked="" type="checkbox"/> Apply danger tag and ID band	<u>CK</u>	<u>12/29/2016</u>
9	<input checked="" type="checkbox"/> Install bend restrictors Remarks: _____	<u>CK</u>	<u>12/29/2016</u>
10	<input checked="" type="checkbox"/> Assemble fittings; check insertion depth Remarks: _____	<u>CK</u>	<u>12/29/2016</u>
11	<input type="checkbox"/> 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 _____ <input checked="" type="checkbox"/> 1/2) 80C-PO8H _____ 3/8) 80C-PO6H _____ 1/4) 80C-PO4H _____ 1/8) 80C-PO2 _____ 3/8) 80C-PO6 _____ 3/4) 80C-P12H	<u>CK</u>	<u>12/29/2016</u>
13	<input type="checkbox"/> Add special accessories after crimping/swaging _____		
14	<input type="checkbox"/> Perform and record burst test results, if applicable Remarks: _____		
15	<input type="checkbox"/> 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>12/29/2016</u>
17	<input checked="" type="checkbox"/> Flush method water, and then air	<u>CK</u>	<u>12/29/2016</u>
18	<input checked="" type="checkbox"/> Perform and record conductivity test; Meter <u>Megger Mit200</u> Hose resistance <u>0</u> (-) Electrode resistance <u>0.01</u> 0.01	<u>CK</u>	<u>12/29/2016</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-4-58 .668/.688 _____ 5CNG-4-58 .785/.805 <input checked="" type="checkbox"/> _____ 5CNG-8-58 .900/.920 _____ 5CNG-6-55 .675/.695 _____ 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>12/29/2016</u>
20	<input checked="" type="checkbox"/> Cap and package hose	<u>CK</u>	<u>12/29/2016</u>
21	<input checked="" type="checkbox"/> Certificate of Conformance for Materials Shipped (on back)	<u>CK</u>	<u>12/29/2016</u>

- 3 FITTINGS TYPE
- 01 NPT FEMALE
- 02 NPT FEMALE
- 03 JIC MALE
- 04 SAI 45 MALE
- 05 SAI O-RING STRAIGHT THRU AD
- 06 JIC FEMALE SWIVEL
- 07 FEMALE PPT SWIVEL

- 7 FITTINGS SIZE
- 4 1/4"
- 6 3/8"
- 8 1/2"
- 10 3/4"
- 12 3/4"

- 4 FITTINGS TYPE
- 01 NPT FEMALE
- 02 NPT FEMALE
- 03 JIC MALE
- 04 SAI 45 MALE
- 05 SAI O-RING STRAIGHT THRU AD
- 06 JIC FEMALE SWIVEL
- 07 FEMALE PPT SWIVEL



- 5 FITTINGS TYPE
- 01 NPT FEMALE
- 02 NPT FEMALE
- 03 JIC MALE
- 04 SAI 45 MALE
- 05 SAI O-RING STRAIGHT THRU AD
- 06 JIC FEMALE SWIVEL
- 07 FEMALE PPT SWIVEL

- 9 FITTINGS SIZE
- 2 1/8"
- 4 1/4"
- 6 3/8"
- 2
- 55 SAE FHS
- HOSE SIZE
- 2 1/8"
- 4 1/4"
- 6 3/8"

- 6 FITTINGS TYPE
- 01 NPT FEMALE
- 02 NPT FEMALE
- 03 JIC MALE
- 04 SAI 45 MALE
- 05 SAI O-RING STRAIGHT THRU AD
- 06 JIC FEMALE SWIVEL
- 07 FEMALE PPT SWIVEL

STANDARD 3/8" } 0  
 SAE 8 5/8" }

WORK ORDER #

5CNG|8|5CNG|4|06|06|05|06|12|19|6|19|32|

FILL HOSE

DATE: 01/06/06  
 TIME: 08:00  
 BY: [Signature]  
 CHECKED BY: [Signature]

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2	<input checked="" type="checkbox"/> Component part numbers: _____ Pack dates and/or QC codes _____ 5215606812	<u>ck</u>	<u>12/29/2016</u>
3	<input checked="" type="checkbox"/> ID band number _____ 5CNG8/5CNG4-0606/05065-128/64-96"	<u>ck</u>	<u>12/29/2016</u>
4	<input checked="" type="checkbox"/> Hose Cut Length _____ 96"	<u>ck</u>	<u>12/29/2016</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>12/29/2016</u>
7	Add special accessories _____ Remarks: _____		
8	<input checked="" type="checkbox"/> Apply danger tag and ID band	<u>ck</u>	<u>12/29/2016</u>
9	<input checked="" type="checkbox"/> Install bend restrictors _____ Remarks: _____	<u>ck</u>	<u>12/29/2016</u>
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12	<input checked="" type="checkbox"/> Perform crimp or swage on product/crimp set die-using Parker Catalog 4660, page K58 _____ X _____ 1/2) 80C-PO8H _____ 3/8) 80C-PO6H _____ 1/4) 80C-PO4H _____ 1/8) 80C-PO2 _____ 3/8) 80C-PO6 _____ 3/4) 80C-P12H	<u>ck</u>	<u>12/29/2016</u>
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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> ; <u>Pass</u> Fail (Circle One) Remarks: <u>Passed Pressure Test</u>	<u>ck</u>	<u>12/29/2016</u>
17	<input checked="" type="checkbox"/> Flush method water, and then air	<u>ck</u>	<u>12/29/2016</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>12/29/2016</u>
19	<input checked="" type="checkbox"/> Final audit: Check boxes for items inspected, as applicable: _____ X _____ Correct hose; _____ X _____ Correct fittings; _____ X _____ Correct customer PN Check swage or crimp diameters: _____ 5CNG-4-58 .668/.688 _____ 5CNG-4-58 .785/.805 _____ X _____ 5CNG-8-58 .900/.920 _____ 5CNG-6-55 .675/.695 _____ 5CNG-12-58 1.20/1.22 *****100% VISUAL INSPECT FOR THE FOLLOWING***** _____ X _____ Hose fittings crimped; _____ X _____ Air passes through assembly; _____ X _____ Presence of threads	<u>ck</u>	<u>12/29/2016</u>
20	<input checked="" type="checkbox"/> Cap and package hose	<u>ck</u>	<u>12/29/2016</u>
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