

CERTIFICATE OF CONFORMANCE
FOR
MATERIALS SHIPPED

Tulsa Gas Technologies, Inc. (TGT) hereby certifies that all materials in the manufacture of serial number S/N 20041292 TRILLIUM 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: 6/26/2020

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

Disp. Serial # S/N 20041292
 Customer Name TRILLIUM
 Customer PO 700004495
 Date Required 6/26/2020

ASSEMBLY/CERTIFICATION SHEET

| | | SIGN | DATE |
|----|--|-----------|------------------|
| 1 | <input checked="" type="checkbox"/> Review shop work order versus customer print and history | <u>CK</u> | <u>6/26/2020</u> |
| 2 | <input checked="" type="checkbox"/> Component part numbers: _____ Pack dates and/or QC codes <u>5216935043</u> | <u>CK</u> | <u>6/26/2020</u> |
| 3 | <input checked="" type="checkbox"/> ID band number <u>5CNG12/5CNG6-0606/0506-112/66-96"</u> | <u>CK</u> | <u>6/26/2020</u> |
| 4 | <input checked="" type="checkbox"/> Hose Cut Length <u>96"</u> | <u>CK</u> | <u>6/26/2020</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>6/26/2020</u> |
| 7 | Add special accessories _____ Remarks: _____ | | |
| 8 | <input checked="" type="checkbox"/> Apply danger tag and ID band | <u>CK</u> | <u>6/26/2020</u> |
| 9 | <input checked="" type="checkbox"/> Install bend restrictors Remarks: _____ | <u>CK</u> | <u>6/26/2020</u> |
| 10 | <input checked="" type="checkbox"/> Assemble fittings; check insertion depth Remarks: _____ | <u>CK</u> | <u>6/26/2020</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>6/26/2020</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>6/26/2020</u> |
| 17 | <input checked="" type="checkbox"/> Flush method water, and then air | <u>CK</u> | <u>6/26/2020</u> |
| 18 | <input checked="" type="checkbox"/> Perform and record conductivity test; Meter <u>Megger Mit200</u> Hose resistance <u>0</u> (-) Electrode resistance <u>0.03</u> 0.03 | <u>CK</u> | <u>6/26/2020</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>CK</u> | <u>6/26/2020</u> |
| 20 | <input checked="" type="checkbox"/> Cap and package hose | <u>CK</u> | <u>6/26/2020</u> |
| 21 | <input checked="" type="checkbox"/> Certificate of Conformance for Materials Shipped (on back) | | <u>6/26/2020</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
- 03 JIC MALE
- 04 SAE 45 MALE
- 05 SAE O-RING STRAIGHT THREAD
- 06 JIC FEMALE SWIVEL
- 07 FEMALE PIPE SWIVEL

- 8 FITTING SIZE
- 4 1/4"
- 6 3/8"
- 8 1/2"
- 12 3/4"

BRLAK-AWAY END



3 & 7

5 & 9

1 FILL

2 VENT

6 & 10

4 & 8

- 5 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

- 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"

STANDARD 3" SHEREX 5/8" 58"

440 TRIL 012 420

WORK ORDER # 5/11 200 41292

5CNG12/5CNG6-06 06/1 250 6-12/12/06-961

1 2 3 4 5 6 7 8 9 10 11

FILL HOSE

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SIGNED BY: *C. P. Kendall*

TITLE: ASSEMBLY

DATE: 6/26/2020

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

Disp. Serial # S/N 20041292
 Customer Name TRILLIUM
 Customer PO 700004495
 Date Required 6/26/2020

ASSEMBLY/CERTIFICATION SHEET

| | | SIGN | DATE |
|----|--|-----------|------------------|
| 1 | <input checked="" type="checkbox"/> Review shop work order versus customer print and history | <u>ck</u> | <u>6/26/2020</u> |
| 2 | <input checked="" type="checkbox"/> Component part numbers: _____ Pack dates and/or QC codes _____ 5216935043 | <u>ck</u> | <u>6/26/2020</u> |
| 3 | <input checked="" type="checkbox"/> ID band number _____ 5CNG12/5CNG6-0606/0506-112/66-36" | <u>ck</u> | <u>6/26/2020</u> |
| 4 | <input checked="" type="checkbox"/> Hose Cut Length _____ 36" | <u>ck</u> | <u>6/26/2020</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>6/26/2020</u> |
| 7 | ___ Add special accessories _____ Remarks: _____ | | |
| 8 | <input checked="" type="checkbox"/> Apply danger tag and ID band | <u>ck</u> | <u>6/26/2020</u> |
| 9 | <input checked="" type="checkbox"/> Install bend restrictors Remarks: _____ | <u>ck</u> | <u>6/26/2020</u> |
| 10 | <input checked="" type="checkbox"/> Assemble fittings; check insertion depth Remarks: _____ | <u>ck</u> | <u>6/26/2020</u> |
| 11 | ___ Set offset angle and/or orientation Remarks: _____ | | |
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| 13 | ___ Add special accessories after crimping/swaging _____ | | |
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| 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>6/26/2020</u> |
| 17 | <input checked="" type="checkbox"/> Flush method water, and then air | <u>ck</u> | <u>6/26/2020</u> |
| 18 | <input checked="" type="checkbox"/> Perform and record conductivity test; Meter _____ Megger Mit200 Hose resistance _____ 0 _____ (-) Electrode resistance _____ 0.01 0.1 | <u>ck</u> | <u>6/26/2020</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-4-55 .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***** ___ X ___ Hose fittings crimped; ___ X ___ Air passes through assembly; ___ X ___ Presence of threads | <u>ck</u> | <u>6/26/2020</u> |
| 20 | <input checked="" type="checkbox"/> Cap and package hose | <u>ck</u> | <u>6/26/2020</u> |
| 21 | <input checked="" type="checkbox"/> Certificate of Conformance for Materials Shipped (on back) | <u>ck</u> | <u>6/26/2020</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
- 03 JIC MALE
- 04 SAE 45 MALE
- 05 SAE O-RING STRAIGHT THREAD
- 06 JIC FEMALE SWIVEL
- 07 FEMALE PIPE SWIVEL

8

- FITTING SIZE
- 4 1/4"
- 6 3/8"
- 8 1/2"
- 12 3/4"

BRK-AWAY END

11 FILL HOSE LENGTH
36"

FILL END

3 & 7

1 FILL

5 & 9

2 VENT

4 & 8

6 & 10

- 5 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

- 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"

STANDARD 3" SHEREX 5/8"

w/o trl 012420

WORK ORDER # S/n. 20041292

5CNG12/5CNG16-0606/0506-12/2/66-36"

1 2 3 4 5 6 7 8 9 10 11

FILL HOSE

DATE 03/27/97
 DRAWN BY G. S. WELLS
 CHECKED BY G. S. WELLS
 SCALE NONE
 SHEET NO. 1 OF 1
 PROJECT NO. 010 465 2641 FAX 010 465 2657
 DRAWING NO. FILLHOSE_worfordr.dwg