

single issue

# CERTIFICATE OF CONFORMANCE FOR MATERIALS SHIPPED

Tulsa Gas Technologies, Inc. (TGT) hereby certifies that all materials in the manufacture of serial number- W/OS/N21071316 KGS 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: 10/5/2021

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

Disp. Serial # S/N21071316  
 Customer Name KGS  
 Customer PO N/A  
 Date Required 10/5/2021

ASSEMBLY/CERTIFICATION SHEET

		SIGN	DATE
1	<input checked="" type="checkbox"/> Review shop work order versus customer print and history	<u>CK</u>	<u>10/5/2021</u>
2	<input checked="" type="checkbox"/> Component part numbers: <u>W/OKGS052421</u>		
	Pack dates and/or QC codes <u>5206011414</u>	<u>CK</u>	<u>10/5/2021</u>
3	<input checked="" type="checkbox"/> ID band number <u>5CNG6/5CNG4-0501/0106-64/24-96"</u>	<u>CK</u>	<u>10/5/2021</u>
4	<input checked="" type="checkbox"/> Hose Cut Length <u>96"</u>	<u>CK</u>	<u>10/5/2021</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>10/5/2021</u>
7	<input type="checkbox"/> Add special accessories _____ Remarks: _____		
8	<input checked="" type="checkbox"/> Apply danger tag and ID band		
9	<input checked="" type="checkbox"/> Install bend restrictors Remarks: _____	<u>CK</u>	<u>10/5/2021</u>
10	<input checked="" type="checkbox"/> Assemble fittings; check insertion depth Remarks: _____	<u>CK</u>	<u>10/5/2021</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 type="checkbox"/> 1/2) 80C-PO8H <input type="checkbox"/> 3/8) 80C-PO6H		
	<input type="checkbox"/> 1/4) 80C-PO4H <input type="checkbox"/> 1/2) 80C-PO2		
	<input checked="" type="checkbox"/> 3/8) 80C-PO6 <input type="checkbox"/> 3/4) 80C-P12H	<u>CK</u>	<u>10/5/2021</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: _____	<u>CK</u>	<u>1/5/2021</u>
16	<input checked="" type="checkbox"/> Hydrostatic proof test Test pressure Psi <u>10,000</u> Seconds <u>30</u> ; <del>Pass</del> Fail (Circle One) Remarks: <u>Pass at Pressure</u>	<u>CK</u>	<u>10/5/2021</u>
17	<input checked="" type="checkbox"/> Flush method water, and then air	<u>CK</u>	<u>10/5/2021</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>10/5/2021</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: <u>5CNG-4-55 .580+-.05</u> <u>5CNG-4-58 .785/.805</u> <u>5CNG-8-58 .900/.920</u> <input checked="" type="checkbox"/> <u>5CNG-6-55 .675/.695</u> <u>5CNG-12-58 1.20/1.22</u> *****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>1/5/2021</u>
20	<input checked="" type="checkbox"/> Cap and package hose	<u>CK</u>	<u>10/5/2021</u>
21	<input checked="" type="checkbox"/> Certificate of Conformance for Materials Shipped (on back)	<u>CK</u>	<u>10/5/2021</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"

BIRLAK AWAY END

cut 99"  
 11 FILL HOSE LENGTH  
 96"

FILL END

3 & 7

5 & 9

1 FILL

2 VENT

4 & 8

6 & 10

STANDARD 3"  
 SHEREX 5/8" } 3"

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

- 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 THRLAD
  - 06 JIC FEMALE SWIVEL
  - 07 FEMALE PIPE SWIVEL
- 10 FITTING SIZE
  - 2 1/8"
  - 4 1/4"
  - 6 3/8"

w/0 1165 052421

WORK ORDER # 510-210713165

5CNG 6/520N41-0501/0106-64/24-96

FILL HOSE

DATE 03/27/07  
 BY SECURITY C. STELL

THIS HOSE IS THE PROPERTY OF  
 THE COMPANY  
 OUR WORKS MUST TAX OUR WORK  
 THE PROPERTY

CERTIFICATE OF CONFORMANCE  
FOR  
MATERIALS SHIPPED

Tulsa Gas Technologies, Inc. (TGT) hereby certifies that all materials in the manufacture of serial number- W/OS/N21071316 KGS 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. Hendall*

TITLE: ASSEMBLY

DATE: 10/5/2021

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

Disp. Serial # S/N21071316  
 Customer Name KGS  
 Customer PO N/A  
 Date Required 10/5/2021

ASSEMBLY/CERTIFICATION SHEET

		SIGN	DATE
1	<input checked="" type="checkbox"/> Review shop work order versus customer print and history	<u>CK</u>	<u>10/5/2021</u>
2	<input checked="" type="checkbox"/> Component part numbers: <u>W/O-0512121</u>		
	Pack dates and/or QC codes <u>5.25207E+11</u>	<u>CK</u>	<u>10/5/2021</u>
3	<input checked="" type="checkbox"/> ID band number <u>5CNG6/5CNG4-0506/0106-68/24-24"</u>	<u>CK</u>	<u>10/5/2021</u>
4	<input checked="" type="checkbox"/> Hose Cut Length <u>24"</u>	<u>CK</u>	<u>10/5/2021</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>10/5/2021</u>
7	<input type="checkbox"/> Add special accessories _____ Remarks: _____		
8	<input checked="" type="checkbox"/> Apply danger tag and ID band		
9	<input checked="" type="checkbox"/> Install bend restrictors Remarks: _____	<u>CK</u>	<u>10/5/2021</u>
10	<input checked="" type="checkbox"/> Assemble fittings; check insertion depth Remarks: _____	<u>CK</u>	<u>10/5/2021</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 type="checkbox"/> 1/2) 80C-PO8H <input type="checkbox"/> 3/8) 80C-PO6H		
	<input type="checkbox"/> 1/4) 80C-PO4H <input type="checkbox"/> 1/2) 80C-PO2		
	<input checked="" type="checkbox"/> 3/8) 80C-PO6 <input type="checkbox"/> 3/4) 80C-P12H	<u>CK</u>	<u>10/5/2021</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: _____	<u>CK</u>	<u>1/5/2021</u>
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>Russell Pressure Test</u>	<u>CK</u>	<u>10/5/2021</u>
17	<input checked="" type="checkbox"/> Flush method water, and then air	<u>CK</u>	<u>10/5/2021</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.C</u> <u>0.C</u>	<u>CK</u>	<u>10/5/2021</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: <u>5CNG-4-55 .580+- .05</u> <u>5CNG-4-58 .785/.805</u> <u>5CNG-8-58 .900/.920</u> <input checked="" type="checkbox"/> <u>5CNG-6-55 .675/.695</u> <u>5CNG-12-58 1.20/1.22</u> *****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>10/5/2021</u>
20	<input checked="" type="checkbox"/> Cap and package hose	<u>CK</u>	<u>10/5/2021</u>
21	<input checked="" type="checkbox"/> Certificate of Conformance for Materials Shipped (on back)	<u>CK</u>	<u>10/5/2021</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"

BREAK-AWAY END

FILL END

11 cut 26"  
FILL HOSE LENGTH  
24"

2"

3 & 7

1 FILL

5 & 9

2 VENT

4 & 8

6 & 10

STANDARD 3"  
SHEREX 5/8"

- 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"

w/10 KCS-05 21 21

WORK ORDER # S/n-21071315

1 5CNG16/520N14-0506/0106-68/24-24"

FILL HOSE

DATE 03/27/07  
BY COMPANY C. SEWELL  
OFFICE

INDUSTRIAL HOSE & FITTINGS  
1000 EAST 40TH AVENUE  
DENVER, CO 80231  
303.755.2600 FAX 303.755.2601