

CERTIFICATE OF CONFORMANCE
FOR
MATERIALS SHIPPED

Tulsa Gas Technologies, Inc. (TGT) hereby certifies that all materials in the manufacture of hoses on W/OJWPC020222 JWPC

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 or 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: E. R. Kendall

TITLE: Assembly

DATE: 9-28-22

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

Disp. Serial # JWPC020222
 Customer Name JWPC
 Customer PO N/A
 Date Required 9/28/2022

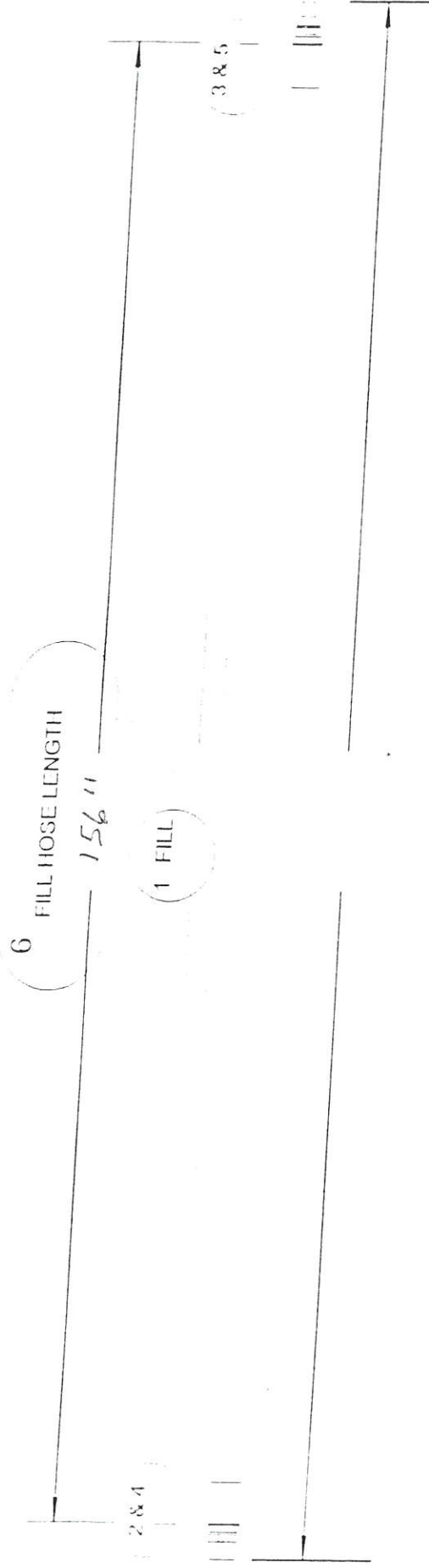
ASSEMBLY/CERTIFICATION SHEET

		SIGN	DATE
1	X Review shop work order versus customer print and history	<u>CK</u>	<u>9/28/2022</u>
2	X Component part numbers: _____ 5219107002 Pack dates and/or QC codes _____ <u>Fill Post</u>	<u>CK</u>	<u>9/28/2022</u>
3	X ID band number _____ 5CNG8-0606-88-156"	<u>CK</u>	<u>9/28/2022</u>
4	X Hose Cut Length _____ 156"	<u>CK</u>	<u>9/28/2022</u>
5	Pre-expansion of hose (if required) Size _____ Remarks: _____		
6	X Audit and mark appropriate insertion depth	<u>CK</u>	<u>9/28/2022</u>
7	Add special accessories _____ Remarks: _____		
8	X Apply danger tag and ID band		
9	X Install bend restrictors Remarks: _____	<u>CK</u>	<u>9/28/2022</u>
10	X Assemble fittings; check insertion depth Remarks: _____	<u>CK</u>	<u>9/28/2022</u>
11	Set offset angle and/or orientation Remarks: _____		
12	X 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 _____ X _____ 1/2) 80C-PO2 _____ 3/8) 80C-PO6 _____ 3/4) 80C-P12H	<u>CK</u>	<u>9/28/2022</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: _____	<u>CK</u>	<u>9/28/2022</u>
16	X 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>9/28/2022</u>
17	X Flush method water, and then air	<u>CK</u>	<u>9/28/2022</u>
18	X Perform and record conductivity test; Meter _____ Megger Mit200 Hose resistance _____ (-) Electrode resistance _____ 0.03	<u>CK</u>	<u>9/28/2022</u>
19	X 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 _____ X _____ 5CNG-8-58 .900/.920 _____ 5CNG-6-55 .675/.695 _____ \ _____ 5CNG-12-58 1.20/1.22	<u>CK</u>	<u>9/28/2022</u>
*****100% VISUAL INSPECT FOR THE FOLLOWING*****			
	_____ X Hose fittings crimped; _____ X Air passes through assembly;	<u>CK</u>	<u>9/28/2022</u>
	_____ X Presence of threads	<u>CK</u>	<u>9/28/2022</u>
20	X Cap and package hose	<u>CK</u>	
21	X Certificate of Conformance for Materials Shipped (on back)	<u>CK</u>	<u>9/28/2022</u>

4 Hoses

0.03

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



WORK ORDER # JWPC020222

5CNG | 8 | 2 | 3 | 4 | 5 | 6
 | 06 | 06 | - | 88 | - | 156"

FILL HOSE

DATE 03/21/15
 BY SUPERVISOR J. B. WELLS
 DRAWN BY J. P. C. C. C.
 10000 Pcs Short Fill Hose clwa

Tulsa Gas Technologies, Inc.
 4809 S. 101st. E. Ave.
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ASSEMBLY/CERTIFICATION SHEET

		SIGN	DATE
1	X Review shop work order versus customer print and history	<u>CK</u>	<u>9/28/2022</u>
2	X Component part numbers: _____ 5219107002 Pack dates and/or QC codes _____ <u>FILL POST</u>	<u>CK</u>	<u>9/28/2022</u>
3	X ID band number _____ 5CNG8-0606-88-24"	<u>CK</u>	<u>9/28/2022</u>
4	X Hose Cut Length _____ 24"	<u>CK</u>	<u>9/28/2022</u>
5	Pre-expansion of hose (if required) Size _____ Remarks: _____		
6	X Audit and mark appropriate insertion depth	<u>CK</u>	<u>9/28/2022</u>
7	Add special accessories _____ Remarks: _____		
8	X Apply danger tag and ID band		
9	X Install bend restrictors Remarks: _____	<u>CK</u>	<u>9/28/2022</u>
10	X Assemble fittings; check insertion depth Remarks: _____	<u>CK</u>	<u>9/28/2022</u>
11	Set offset angle and/or orientation Remarks: _____		
12	X 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 _____ X _____ 1/2) 80C-PO2 _____ 3/8) 80C-PO6 _____ 3/4) 80C-P12H	<u>CK</u>	<u>9/28/2022</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: _____	<u>CK</u>	<u>9/28/2022</u>
16	X 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>9/28/2022</u>
17	X Flush method water, and then air	<u>CK</u>	<u>9/28/2022</u>
18	X Perform and record conductivity test; Meter _____ Megger Mit200 Hose resistance _____ (-) Electrode resistance _____ 0.01 0.01	<u>CK</u>	<u>9/28/2022</u>
19	X 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 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>9/28/2022</u>
20	X Cap and package hose	<u>CK</u>	<u>9/28/2022</u>
21	X Certificate of Conformance for Materials Shipped (on back)	<u>CK</u>	<u>9/28/2022</u>

0.01

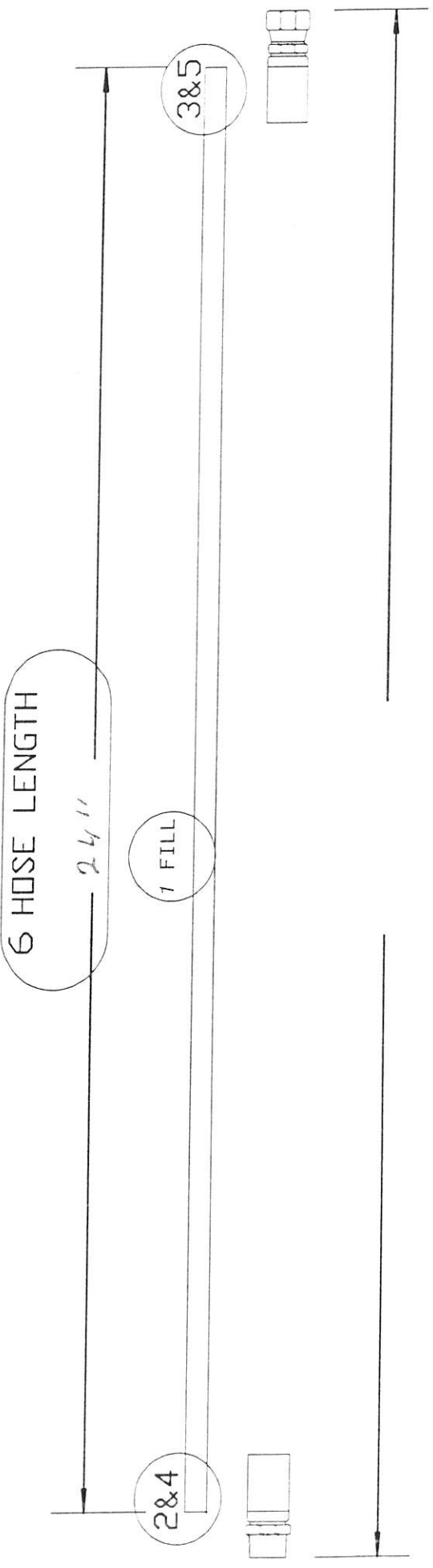
- 2**
- | | |
|-------------------------------|--|
| FITTING TYPE | |
| 01 NPT MALE | |
| 02 NPT FEMALE | |
| 03 JIC MALE | |
| 04 SAE 45 MALE | |
| 05 SAE O-RING STRAIGHT THREAD | |
| 06 JIC FEMALE SWIVEL | |
| 07 FEMALE PIPE SWIVEL | |

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

- 1**
- | | |
|---------------------|--|
| 58 SERIES HOSE SIZE | |
| 4 1/4" | |
| 6 3/8" | |
| 8 1/2" | |
| 12 3/4" | |

- 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 | |

- 5**
- | | |
|--------------|--|
| FITTING SIZE | |
| 4 1/4" | |
| 6 3/8" | |
| 8 1/2" | |
| 12 3/4" | |



WORK ORDER # JWPC020222

5CNG - - -

TIA SA GAS TECHNOLOGIES, INC.	
10117 EAST 48TH STREET	
TULSA, OK 74146	
918-465-2641 FAX: 918-465-8657	
DATE:	CHECKED BY:
DESIGNED BY: C. SEVELL	SCALE: NONE
DRAWN BY: C.R.S.	SHEET NO. OF
DWG. NO. FILLHOSE 5CNG	REV. 1