

CERTIFICATE OF CONFORMANCE
FOR
MATERIALS SHIPPED

Tulsa Gas Technologies, Inc. (TGT) hereby certifies that all materials in the manufacture of hoses on *SN 22101341* 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 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: *C. R. Wendall*
TITLE: *Assembly*
DATE: *10-24-22*

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

Disp. Serial # 22101341
 Customer Name TRILLIUM
 Customer PO N/A
 Date Required 10/24/2022

ASSEMBLY/CERTIFICATION SHEET

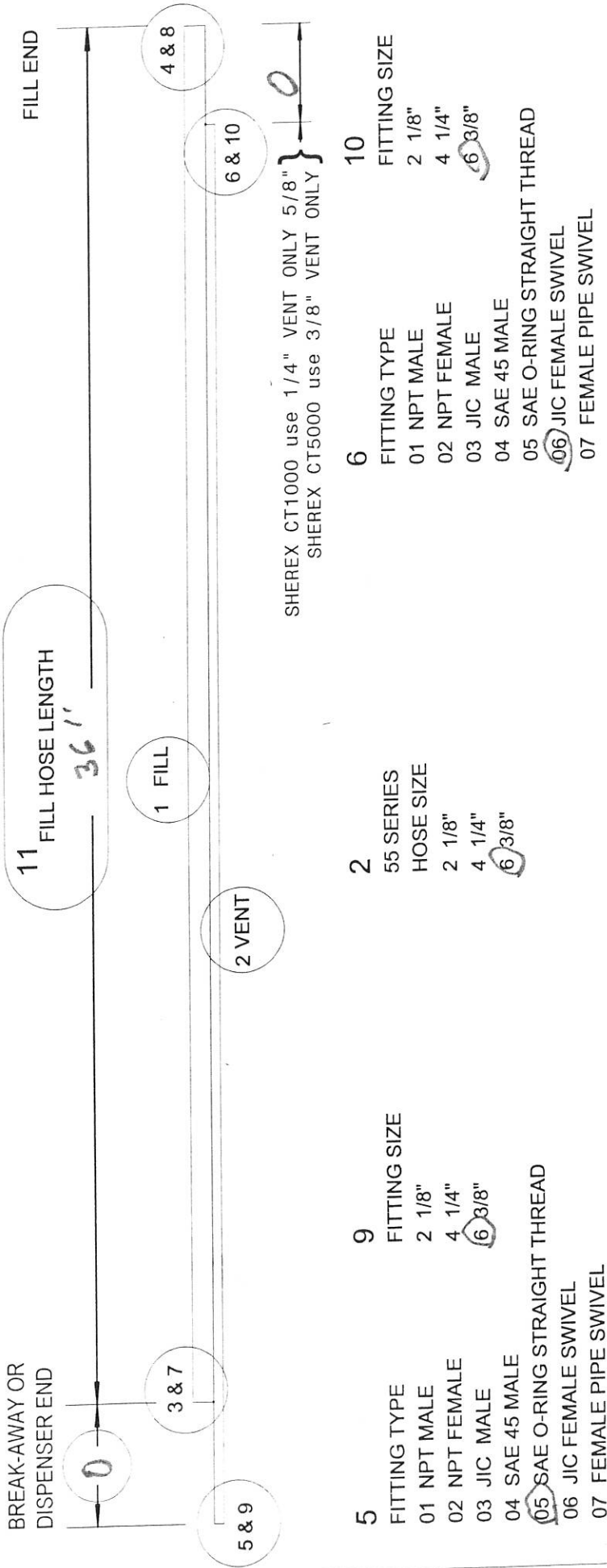
	SIGN	DATE
1 <input checked="" type="checkbox"/> Review shop work order versus customer print and history	<u>CH</u>	<u>10/24/2022</u>
2 <input checked="" type="checkbox"/> Component part numbers: _____ W/OTRIL0821C		
Pack dates and/or QC codes _____ 5215200803	<u>CH</u>	<u>10/24/2022</u>
3 <input checked="" type="checkbox"/> ID band number _____ 5CNG12/5CNG6/0506-1212/66-36"	<u>CH</u>	<u>10/24/2022</u>
4 <input checked="" type="checkbox"/> Hose Cut Length _____ 36"	<u>CH</u>	<u>10/6/2022</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>10/24/2022</u>
7 _____ 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>CH</u>	<u>10/24/2022</u>
10 <input checked="" type="checkbox"/> Assemble fittings; check insertion depth		
Remarks: _____	<u>CH</u>	<u>10/24/2022</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 _____ 1/2) 80C-PO2		
_____ 3/8) 80C-PO6 _____ X 3/4) 80C-P12H	<u>CH</u>	<u>10/24/2022</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>CH</u>	<u>10/24/2022</u>
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>CH</u>	<u>10/24/2022</u>
17 <input checked="" type="checkbox"/> Flush method water, and then air	<u>CH</u>	<u>10/24/2022</u>
18 <input checked="" type="checkbox"/> Perform and record conductivity test; Meter _____ Megger Mit200		
Hose resistance _____ (-) Electrode resistance _____ 0.001		
0.001	<u>CH</u>	<u>10/24/2022</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	<u>CH</u>	<u>10/24/2022</u>
_____ 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>CH</u>	<u>10/24/2022</u>
20 <input checked="" type="checkbox"/> Cap and package hose	<u>CH</u>	
21 <input checked="" type="checkbox"/> Certificate of Conformance for Materials Shipped (on back)	<u>CH</u>	<u>10/24/2022</u>

- 3**
- | | |
|-------------------------------|--------------|
| FITTING TYPE | FITTING SIZE |
| 01 NPT MALE | 4 1/4" |
| 02 NPT FEMALE | 6 3/8" |
| 03 JIC MALE | 8 1/2" |
| 04 SAE 45 MALE | 10 5/8" |
| 05 SAE O-RING STRAIGHT THREAD | 12 3/4" |
| 06 JIC FEMALE SWIVEL | |
| 07 FEMALE PIPE SWIVEL | |

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



11 FILL HOSE LENGTH
36"

SHEREX CT1000 use 1/4" VENT ONLY 5/8"
SHEREX CT5000 use 3/8" VENT ONLY

- 5**
- | | |
|-------------------------------|--------------|
| FITTING TYPE | FITTING SIZE |
| 01 NPT MALE | 2 1/8" |
| 02 NPT FEMALE | 4 1/4" |
| 03 JIC MALE | 6 3/8" |
| 04 SAE 45 MALE | |
| 05 SAE O-RING STRAIGHT THREAD | |
| 06 JIC FEMALE SWIVEL | |
| 07 FEMALE PIPE SWIVEL | |

- 9**
- | | |
|-------------------------------|--------------|
| FITTING TYPE | FITTING SIZE |
| 01 NPT MALE | 2 1/8" |
| 02 NPT FEMALE | 4 1/4" |
| 03 JIC MALE | 6 3/8" |
| 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 | FITTING SIZE |
| 01 NPT MALE | 2 1/8" |
| 02 NPT FEMALE | 4 1/4" |
| 03 JIC MALE | 6 3/8" |
| 04 SAE 45 MALE | |
| 05 SAE O-RING STRAIGHT THREAD | |
| 06 JIC FEMALE SWIVEL | |
| 07 FEMALE PIPE SWIVEL | |

WORK ORDER # *TRAIL/10821C*

5CNG / - / - / -

FILL HOSE

DATE: 03/27/97
DESIGNED BY: C. SEWELL
DRAWN BY: C. R. S.
DWG. NO. FILLHOSE 5CNG 5CNG

TULSA SAE TECHNOLOGIES, INC.
10117 EAST 48TH STREET
TULSA, OK 74146
918 465-2641 FAX: 918-665-2657
CHECKED BY:
SCALE: NONE
SHEET NO. OF REV. 1

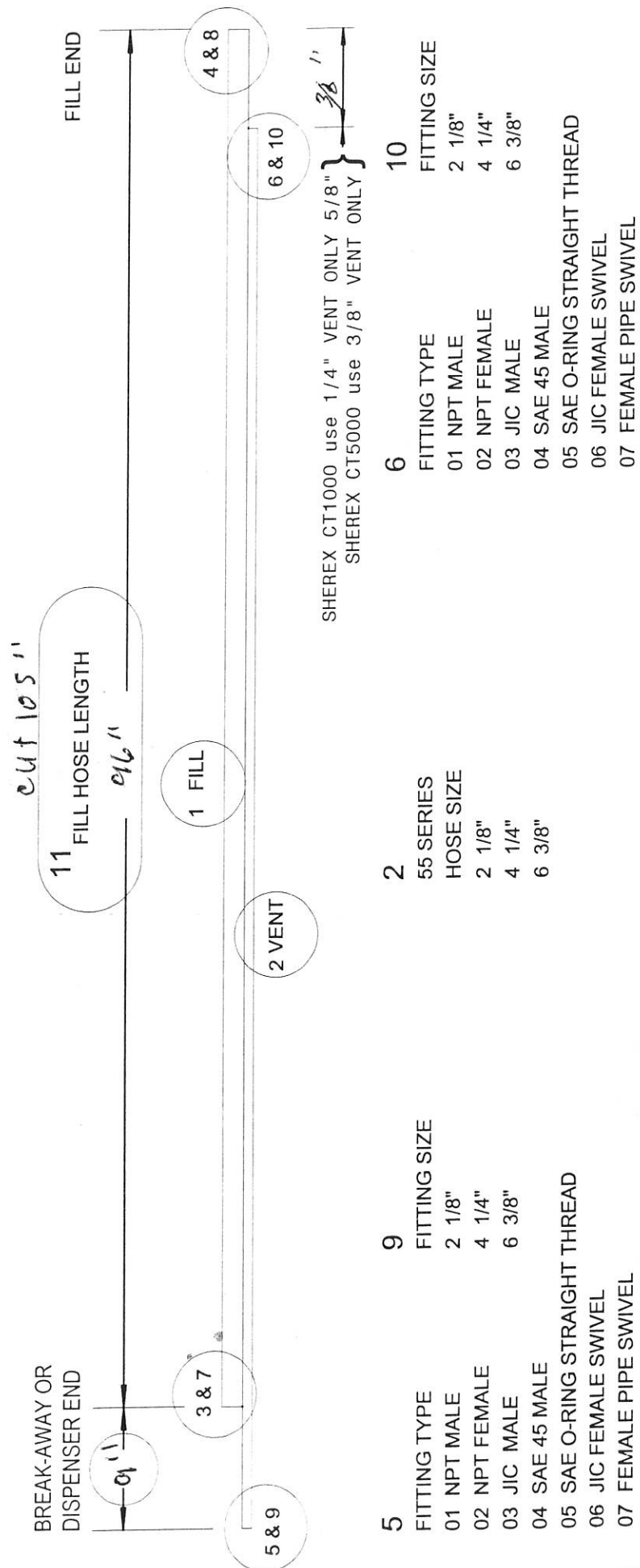
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SIGNED BY: C.R. Kendall
TITLE: Assembly
DATE: 10-24-27

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



- 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"
- 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"

SHEREX CT1000 use 1/4" VENT ONLY 5/8"
SHEREX CT5000 use 3/8" VENT ONLY 3/8"

WORK ORDER # *TR14110821C*

5CNG 1 2 3 4 5 6 7 8 9 10 11
 17/5CNG 6 06 06 05 06 12 12 12 12 12 12

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

Disp. Serial # 22101341
 Customer Name TRILLIUM
 Customer PO N/A
 Date Required 10/24/2022

ASSEMBLY/CERTIFICATION SHEET

	SIGN	DATE
1 <input checked="" type="checkbox"/> Review shop work order versus customer print and history	<u>CK</u>	<u>10/24/2022</u>
2 <input checked="" type="checkbox"/> Component part numbers: _____ W/OTRIL0821C		
Pack dates and/or QC codes _____ 5211134312	<u>CK</u>	<u>10/24/2022</u>
3 <input checked="" type="checkbox"/> ID band number _____ 5CNG12/5CNG6/0506-1212/66-96"	<u>CK</u>	<u>10/24/2022</u>
4 <input checked="" type="checkbox"/> Hose Cut Length _____ 96"	<u>CK</u>	<u>10/6/2022</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>10/24/2022</u>
7 _____ 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>10/24/2022</u>
10 <input checked="" type="checkbox"/> Assemble fittings; check insertion depth		
Remarks: _____	<u>CK</u>	<u>10/24/2022</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 _____ 1/2) 80C-PO2		
_____ 3/8) 80C-PO6 _____ X 3/4) 80C-P12H	<u>CK</u>	<u>10/24/2022</u>
13 _____ Add special accessories after crimping/swaging	<u>CK</u>	
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>10/24/2022</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>Raised Pressure Test</u>	<u>CK</u>	<u>10/24/2022</u>
17 <input checked="" type="checkbox"/> Flush method water, and then air	<u>CK</u>	<u>10/24/2022</u>
18 <input checked="" type="checkbox"/> Perform and record conductivity test; Meter _____ Megger Mit200		
Hose resistance _____ (-) Electrode resistance _____ 0.03		
0.03	<u>CK</u>	<u>10/24/2022</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	<u>CK</u>	<u>10/24/2022</u>
_____ 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>10/24/2022</u>
20 <input checked="" type="checkbox"/> Cap and package hose	<u>CK</u>	
21 <input checked="" type="checkbox"/> Certificate of Conformance for Materials Shipped (on back)	<u>CK</u>	<u>10/24/2022</u>