Division/Discipline:	Inspection and Testing	Doc ID	F-612
		Issue Date	2016-05-10
# Bend Test Results		Rev No.	0
		Related Doc.	
		Reference Doc.	
		Producer	ARH
www.amron.co		Approved	

Customer				Amron Job ID	A20180407-20180511
Project	W-GTFCXX-065	Customer PO		Date	5/11/2018

Material Spec	SA36	Min. Elongation	N/A	('A') Plunger Width	1.500"
Material Grade		Delivery Condition	As Welded	('C') Receiver Width	2.375"
P Number	P1, Gr. 1	Acceptance Criteria	ASME IX		

Sample	Test Zone*	Type of Bend	Sample Width (in)	Sample Thickness (in)	Open Indications	Size of Indication	Results
1	B,W,H	Side Bend	0.3575	0.375	None	N/A	Accept
2	B,W,H	Side Bend	0.3340	0.375	None	N/A	Accept
3	B,W,H	Side Bend	0.3575	0.375	None	N/A	Accept
4	B,W,H	Side Bend	0.3565	0.375	None	N/A	Accept

***** **B**=Base Matl., **W**=Weld Metal, **H**=HAZ

Comments/Notes

Machined Samples

Bend Set-Up

Bent Samples

SAMPLE ONLY
VALUES NOT FOR ACCURACY

Tested By:

Print Sign Date

	Division/Discipline: Inspection and Testing	Doc ID	F-606
	# Tensile Test Results	Issue Date	2016-03-16
		Rev No.	0
		Related Doc.	
		Reference Doc.	
		Producer	ARH
	www.amron.co	Approved	

Customer				Amron Job Number	A20180407-20180515
Project	W-GTFCXX-065	Customer PO		Date	5/15/2018

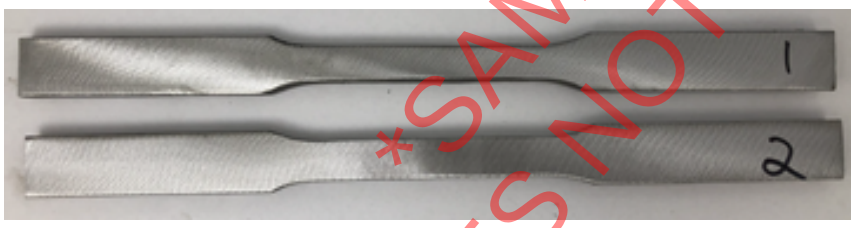
Material Spec.	SA36	Minimum Tensile (psi)	58,000	Tensile Machine	Satec 120HV-1048
Material Grade.		P No./Group No.	P1, Gr. 1	Model Number	120HV-MTEST
Delivery Condition	As Welded	Min. Elongation	N/A	Calibration Date	2/1/2018

Sample	Test Zone*	UTS (psi)	Ultimate Load (lbf)	Yield Strength (psi)	Yield Load (lb)	Original Width/Dia. (in)	Original Thickness (in)	Original Area (in^2)	Elongation (%)	Failure Location*	Result**
T1	B,W,H	70,866	11,763	54,606	9,064	0.463	0.359	0.1660	20%	B	Accept
T2	B,W,H	74,184	12,566	58,612	9,928	0.479	0.354	0.1694	20%	B	Accept

***** **B**=Base Matl., **W**=Weld Metal, **H**=HAZ ****** See attached charts

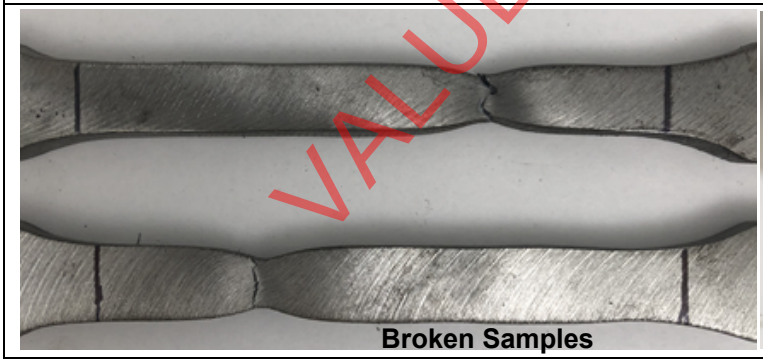
Comments/Notes:

SAMPLE ONLY VALUES NOT FOR ACCURACY



Samples

Test Set-Up



Broken Samples

Broken Samples

Tested By: _____

Print Sign Date

SAMPLE ONLY
VALUES NOT FOR ACCURACY

065-T1

Specimen Identifier:	065-T1
Test Date:	15 May 2018
Start Time:	16:46:51
End Time:	16:55:28
Geometry:	Flat
Width:	0.359 in
Thickness:	0.463 in
Axial Strain Gauge Length:	3.000 in
Area:	0.1660 sq in

Analysis Results

Manual Elongation at Break	
Elongation	19.717 %
Initial Gauge Length	3.00 in
Final Gauge Length	3.59 in
Maximum Load	
Load	11763 lb
Maximum Stress	
Maximum Stress	70866 psi
Modulus of Elasticity	
Modulus	26493390 psi
Yield by Offset (Stress)	
Yield	54606 psi
Offset	0.200 %

065-T2

Specimen Identifier:	065-T2
Test Date:	15 May 2018
Start Time:	17:06:08
End Time:	17:17:02
Geometry:	Flat
Width:	0.354 in
Thickness:	0.479 in
Axial Strain Gauge Length:	3.000 in
Area:	0.1694 sq in

Analysis Results

Manual Elongation at Break	
Elongation	20.250 %
Initial Gauge Length	3.00 in
Final Gauge Length	3.61 in
Maximum Load	
Load	12566 lb
Maximum Stress	
Maximum Stress	74184 psi
Modulus of Elasticity	
Modulus	33055010 psi
Yield by Offset (Stress)	
Yield	58612 psi
Offset	0.200 %