QUALIFICATION TEST RECORD

Name: Charles P. Langlois Sr  
Joint welding procedure: PRO-GTAW-AL.060-class C

Base metal description: 5052  
Welding process: GTAW

Current: AC ✗ DCEN □ DCEP □  
Vertical: Down □ Up □

Position
Sheet groove: 1G □ 2G □ 3G □ 4G □  
Tube groove: 1G □ 2G □ 5G □ 6G □
Sheet fillet: 1F □ 2F ✗ 3F □ 4F □  
Tube fillet: 1F □ 2F □ 4F □ 5F □

Visual  
Radiographic: NA ✗ Pass □
Metallographic: NA ✗ Pass □
Bend: NA □ Pass ✗

Id: 345  
Welder ✗ Welding Operator □

TEST-WELD

Group No: IV  
Single Weld ✗ Double Weld □  
Yes □ No □

Penetration:  
Complete ✗ Partial □

Dimension, in (mm)
O.D. □ T.060 T.□

TEST RESULTS

Visual  
Radiographic  
Metallographic  
Bend

QUALIFIED

Base Metal Group No. M22  
Current: AC ✗ DCEN □ DCEP □  
Vertical: Down □ Up □

Position
Sheet groove: 1G □ 2G □ 3G □ 4G □  
Tube groove: 1G □ 2G □ 5G □ 6G □
Sheet fillet: 1F ✗ 2F □ 3F □ 4F □  
Tube fillet: 1F □ 2F □ 4F □ 5F □

Single Weld ✗ Double Weld □  
Backing: With □ Without □
Penetration:  
Complete ✗ Partial □

Min Max Min
T,in(min) O.D.,in(mm)
.060 .240 □

Restrictions: to Class C welds

The above named individual is qualified in accordance with AWS D17.1 within the above limits for the welding process used for this test weld.

Date of Test Weld: 10/12/16

Signed by: [Signature]
Qualifier

Figure 5.1 – Suggested Test Record Form
QUALIFICATION TEST RECORD

Name: Charles P. Langlois Sr
Joint welding procedure_PRO-GTAW-AL.090-class C

Base metal description: 5052
Welding process: GTAW
Current: AC ✓ DCEN □ DCEP □
Vertical: Down □ Up □

Sheet groove: 1G □ 2G □ 3G □ 4G □
Tube groove: 1G □ 2G □ 3G □ 4G □
Sheet fillet: 1F □ 2F ✗ 3F □ 4F □
Tube fillet: 1F □ 2F □ 3F □ 4F □

Visual: Pass □ Fail □
Radiographic: NA ✗ Pass □ Fail □
Metallurgical: NA ✗ Pass □ Fail □
Bend: NA □ Pass □ Fail □

Base Metal Group No. M22
Current: AC ✓ DCEN □ DCEP □
Vertical: Down □ Up □

Position:
Sheet groove: 1G □ 2G □ 3G □ 4G □
Tube groove: 1G □ 2G □ 3G □ 4G □
Sheet fillet: 1F ✗ 2F ✗ 3F □ 4F □
Tube fillet: 1F □ 2F □ 4F □ 5F □

Id: 345
Welder: ✓ Welding Operator: □
TEST-WELD
Group No: IV
Single Weld: □ Double Weld: ✓
Backing: Yes: □ No: □
Penetration: Complete: ✓ Partial: □
Dimension, in (mm):
O.D. □ T □
O.D. □ T.090 □

TEST RESULTS

QUALIFIED

Single Weld: ✗ Double Weld: □
Backing: With: □ Without: □
Penetration: Complete: ✓ Partial: □
T, in (min): Min Max O.D., in (mm): Min

.067 .360
1 inch

Restrictions: to Class C welds

The above named individual is qualified in accordance with AWS D17.1 within the above limits for the welding process used for this test weld.

Date of Test Weld: 10/12/16
Signed by: Burt Riendeau
Qualifier

Figure 5.1 – Suggested Test Record Form
QUALIFICATION TEST RECORD

Name: Patrick Lewis
Joint welding procedure: PRO-GTAW-AL.060-class C

Welding process: GTAW

Base metal description: 5052

<table>
<thead>
<tr>
<th>Current</th>
<th>AC</th>
<th>DCEN</th>
<th>DCEP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sheet groove</td>
<td>1G</td>
<td>2G</td>
<td>3G</td>
</tr>
<tr>
<td>Tube groove</td>
<td>1G</td>
<td>2G</td>
<td>5G</td>
</tr>
<tr>
<td>Sheet fillet</td>
<td>1F</td>
<td>2F</td>
<td>3F</td>
</tr>
<tr>
<td>Tube fillet</td>
<td>1F</td>
<td>2F</td>
<td>4F</td>
</tr>
</tbody>
</table>

Vertical: Down □ Up □

Position

Sheet groove 1G □ 2G □ 3G □ 4G □
Tube groove 1G □ 2G □ 5G □ 6G □
Sheet fillet 1F □ 2F □ 3F □ 4F □
Tube fillet 1F □ 2F □ 4F □ 5F □

Visual NA ✗ Pass ✗

Radiographic NA ✗ Pass ✗

Metallographic NA ✗ Pass ✗

Bend NA □ Pass □

Id: 297
Welder ✗ Welding Operator □

TEST-WELD

Group No: IV
Single Weld ✗
Backin: Yes □ No □
Penetration: Complete □ Partial □

Dimension, in (mm)

<table>
<thead>
<tr>
<th>T</th>
<th>O.D.</th>
</tr>
</thead>
<tbody>
<tr>
<td>T.060</td>
<td></td>
</tr>
<tr>
<td>T.060</td>
<td></td>
</tr>
</tbody>
</table>

TEST RESULTS

Base Metal Group No. M22

<table>
<thead>
<tr>
<th>Current</th>
<th>AC</th>
<th>DCEN</th>
<th>DCEP</th>
</tr>
</thead>
</table>
| Position
| Sheet groove | 1G | 2G | 3G | 4G |
| Tube groove | 1G | 2G | 5G | 6G |
| Sheet fillet | 1F | 2F | 3F | 4F |
| Tube fillet | 1F | 2F | 4F | 5F |

Single Weld ✗ Double Weld □
Backin: With □ Without □
Penetration: Complete □ Partial ✗

T, in (min) Min Max

Min Max

.060 .240

1 inch

Restrictions: to Class C welds

The above named individual is qualified in accordance with AWS D17.1 within the above limits for the welding process used for this test weld.

Date of Test Weld: 10/12/16

Signed by: __________ Qualifier

Figure 5.1 – Suggested Test Record Form
Name: Patrick Lewis
Joint welding procedure: PRO-GTAW-AL.090-class C

Base metal description: 5052
Welding process: GTAW
Current: AC □ DCEN □ DCEP □
Vertical: Down □ Up □

Sheet groove: 1G □ 2G □ 3G □ 4G □
Tube groove: 1G □ 2G □ 5G □ 6G □
Sheet fillet: 1F □ 2F □ 3F □ 4F □
Tube fillet: 1F □ 2F □ 4F □ 5F □

Visual: Pass □
Radiographic: NA □ Pass □
Metallographic: NA □ Pass □
Bend: NA □ Pass □

Id: 297
Welding Operator □

Group No: IV
Single Weld □ Double Weld □
Yes □ No □
Back: Complete □ Partial □
Penetration: Complete □ Partial □
Dimension, in (mm): T □
O.D. □ T.090 □
O.D. □

Burt E Riendeau
CWI 01041121
QC1 EXP. 4/1/2019

Single Weld □ Double Weld □
Back: With □ Without □
Penetration: Complete □ Partial □
T, in (min): 0.067 □ 0.360 □
Min □ Max □ Min □

Restrictions: to Class C welds

The above named individual is qualified in accordance with AWS D17.1 within the above limits for the welding process used for this test weld.

Date of Test Weld: 10/12/16

Signed by: Burt E Riendeau
Qualifier

Figure 5.1 – Suggested Test Record Form