First Article Inspection (FAI) Report
Retaining Ring Production / 08 Apr 2019 / Jean Rojas

Score 92.86%  Flagged items 1  Actions 1

General Information

**Manufacturing Process**
Retaining Ring Production

**Manufacturer**
Laundry Machinery Inc.

**Location**
4649 Fidler Drive, San Antonio, TX 78221

**Quality Inspector**
Jean Rojas

**Conducted on**
8 Apr 2019 10:25 PST

**Site**
Sydney
Flagged items & Actions

Flagged items

Inspection

Is the characteristic non-conforming?

Yes

Burrs and sharp edges still present

Photo 5  Photo 6  Photo 7  Photo 8

Complete  |  Priority High  |  Due 15 Apr 2019 07:00 PST  |  Created by SafetyCulture Staff

Remove burrs and sharp edges
Consider maintaining automated demurring and edge rounding machine

Other actions

0 actions
# Inspection

1 flagged, 1 action, 92.86%

## First Article Inspection

<table>
<thead>
<tr>
<th>Type of First Article</th>
<th>Assembly</th>
</tr>
</thead>
<tbody>
<tr>
<td>Retaining Ring Assembly</td>
<td></td>
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</table>

## Index of Parts

### Index of Parts 1

<table>
<thead>
<tr>
<th>Part Number</th>
<th>77445565</th>
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<tbody>
<tr>
<td>Part Name</td>
<td>Retaining Ring</td>
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<tr>
<td>Type of FAI</td>
<td>Complete</td>
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</table>

## Material/Process

### Material/Process 1

<table>
<thead>
<tr>
<th>Material or Process Name</th>
<th>Rivet Solid CS 1000</th>
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</thead>
<tbody>
<tr>
<td>Specification Number</td>
<td>MS20426L</td>
</tr>
<tr>
<td>Supplier Name and Address</td>
<td>ABC Rivets 10 Elm St., Boston, MA</td>
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</table>

### Material/Process 2

<table>
<thead>
<tr>
<th>Material or Process Name</th>
<th>Sealant</th>
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</thead>
<tbody>
<tr>
<td>Specification Number</td>
<td>MIL-PRF-2333777D</td>
</tr>
<tr>
<td>Supplier Name and Address</td>
<td>Sam's Sealants 43rd St. San Jose, Ca.</td>
</tr>
</tbody>
</table>

Is a special process involved?  Yes
### Special Process

<table>
<thead>
<tr>
<th>Special Process 1</th>
<th>100%</th>
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</thead>
<tbody>
<tr>
<td><strong>Special Process Supplier Code</strong></td>
<td></td>
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<tr>
<td>LM0000</td>
<td></td>
</tr>
<tr>
<td><strong>Is the Special Process Supplier approved?</strong></td>
<td>Yes</td>
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<tr>
<td>Chemical Filming</td>
<td></td>
</tr>
<tr>
<td><strong>Certificate of Conformance Number</strong></td>
<td>PO 98765</td>
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<table>
<thead>
<tr>
<th>Special Process 2</th>
<th>100%</th>
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<tbody>
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<td><strong>Special Process Supplier Code</strong></td>
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<tr>
<td>LM1212</td>
<td></td>
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<tr>
<td><strong>Is the Special Process Supplier approved?</strong></td>
<td>Yes</td>
</tr>
<tr>
<td>Anodizing</td>
<td></td>
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<tr>
<td><strong>Certificate of Conformance Number</strong></td>
<td>98765</td>
</tr>
</tbody>
</table>

| **Is a functional test to be performed?** | No |

### Design Characteristics

<table>
<thead>
<tr>
<th>Design Characteristics 1</th>
<th>100%</th>
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</thead>
<tbody>
<tr>
<td><strong>Reference Location</strong></td>
<td></td>
</tr>
<tr>
<td>Note 1</td>
<td></td>
</tr>
<tr>
<td><strong>Characteristic Designator</strong></td>
<td>Critical</td>
</tr>
<tr>
<td><strong>Requirement</strong></td>
<td>ANSI Y14.5 1982 applies and dimensions were taken after all special processes</td>
</tr>
<tr>
<td><strong>Inspection Result</strong></td>
<td>Accept</td>
</tr>
</tbody>
</table>
**Designed Tooling**

Chemical Film and Anodizing

**Is the characteristic non-conforming?**

No

**Design Characteristics 2**

100%

**Reference Location**

Sheet 2 Zone J5

**Characteristic Designator**

Key

**Requirement**

IAW 79P070000 marked in the designated area

**Inspection Result**

Accept

**Designed Tooling**

Visual Inspection

**Is the characteristic non-conforming?**

No

**Design Characteristics 3**

1 flagged, 1 action, 50%

**Reference Location**

Note 3

**Characteristic Designator**

N/A

**Requirement**

Removed burrs and sharp edges

**Inspection Result**

Reject
**Designed Tooling**

**Visual Inspection**

**Is the characteristic non-conforming?**

Burrs and sharp edges still present

![Photo 5](image1)
![Photo 6](image2)
![Photo 7](image3)
![Photo 8](image4)

**Complete | Priority High | Due 15 Apr 2019 07:00 PST | Created by SafetyCulture Staff**

**Remove burrs and sharp edges**

Consider maintaining automated demurring and edge rounding machine

**Non-conformance Number**

NC6984

**Design Characteristics 4**

**Reference Location**

Sheet 2 Zone G9

**Characteristic Designator**

Key

**Requirement**

All machined surfaces exhibit 125.03

**Inspection Result**

Surface Finish 32

**Designed Tooling**

Profilometer

**Is the characteristic non-conforming?**

No

**Completion**

**Additional Comments**

Perform Delta FAI for retaining ring assembly after maintenance of automated deburring and edge

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6/8
rounding machine

The signature indicates that all characteristics are accounted for; meet drawing requirements or are properly documented for disposition.

**Quality Inspector**

Jean Rojas  
8 Apr 2019 11:33 PST

**Production Manager**

Isabel Quinlan  
8 Apr 2019 11:33 PST
Appendix

Photo 1

Photo 2

Photo 3

Photo 4

Photo 5

Photo 6

Photo 7

Photo 8