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|  |   | Doc Nbr:       | <b>FT-FI-001</b> |
| Standard Title:   | Fermata Connections Field Visual Inspection and Repair Requirements | Current Rev:   | 1                |
|   |   | Revision Date: | 2/14/2024        |
| Revised By:   | Israel Martinez   | Approved By:   | Ryan Broussard   |
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## Fermata Connections Field Visual Inspection and Repair Requirements

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NOTE: Revised areas from previous revision are identified by highlighted text as shown here.

| Rev # | Effective Date | Changes Made from Previous Versions |
|-------|----------------|-------------------------------------|
| 0     | 11/12/2024     | Original issue to Licensees         |
| 1     | 2/14/2024      | Clarification of requirements       |
|       |                |                                     |

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## 1.0 SCOPE

This procedure provides general guidelines and recommendations for field inspection and repair of Fermata Connections. This procedure applies to used product that has been made up and new product that has been through all required standard manufacturing processes typically located in a yard or rig site.

## 2.0 REFERENCE DOCUMENTS


- Fermata General Running Procedure
- API RP 5C1 RP Practice for Care and Use of Casing and Tubing
- API RP 5A5 Field Inspection of New Casing, Tubing, and Plain-end Drill Pipe
- Applicable Running Procedure

## 3.0 IDENTIFICATION

- 3.1 Prior to performing visual inspection or repair, ensure product has been identified correctly.
- 3.2 Verify the original manufacturing stencil, if no longer legible. Using a caliper measure the ID and OD to confirm, size, weight, and wall thickness.
- 3.3 A drift may be used to measure ID conformance.
- 3.4 An image may be submitted to Fermata engineering to confirm connection.

## 4.0 FIELD INSPECTION PROCESS

- 4.1 Only a qualified inspector may perform inspection and repair on Fermata Connections.
- 4.2 Product shall be cleaned to the extent necessary to easily view small flaws within the threads, and seal areas.
- 4.3 When performing visual inspection an inspector shall record flaws and identify if used or new product. At a minimum the below areas shall be visually inspected:
  - a. Seal surfaces
  - b. Thread flanks, root and crest
  - c. Connection Face
  - d. OD (Box) and ID (Pin)
  - e. Proper coupling installation
  - f. Triangle stamp
- 4.4 Potential damages and flaws might include:
  - a. Corrosion/rust
  - b. Pitting
  - c. Damage to connection face, OD, ID
  - d. Galling
  - e. Burrs, Sharp edges
  - f. Scratch damage
  - g. Crushing or denting
  - h. Perfect thread area imperfections

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4.5 Outside and Inside Diameters shall be reviewed for extensive damage or stress risers which may interfere with the tools design criteria.

## 5.0 FIELD REPAIR

5.1 If any damage is present in a Seal area. Seal area shall not be repaired. The connection must be re-cut.

5.2 The below figure 1 can be used as a reference guide for visual field inspection and repairable areas.

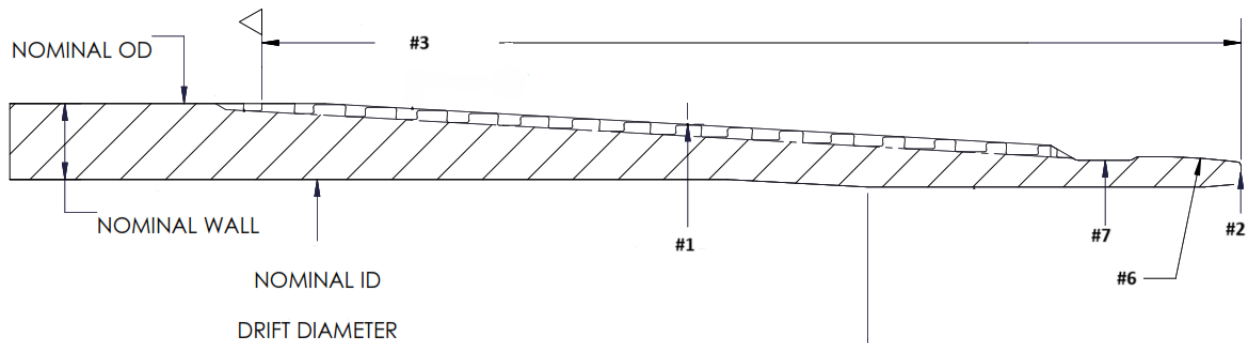


Figure 1. Anaconda GT Pin

#1. This area is the perfect thread area. The use of a file, Scotch-Brite, or similar abrasive tool should be used to remove surface rust, dings, and minor galling if any repairs are required in this area.

#2. This area is the face of the connection. If minor dings, surface rust, galling, or sharp edges are along the face, the use of a file, scotch-brite, or similar abrasive tool should be used for repair. If face is dented resulting in collapsing of the face, the connection shall be rejected.

#3. The triangle stamp can be restamped if not clearly visible.

#4 Any pitting found along the connection shall be rejected.

#5 Minor galling or scratching may be removed with a scotch-brite. Major galling shall be rejected.

#6 Seal area, no repairs are acceptable.

#7 Relief area: minor removal of surface rust is acceptable.