

Procedure 3005: General Assembly Inspection

effective 02/08

Notes

- 1. The following procedure is to be used as a guideline for determining the serviceability of a hose assembly.
- 2. If coupling-related questions arise, contact Dixon® at 877-963-4966.
- 3. If hose-related questions arise, contact the hose manufacturer.

Process


Couplings

- 1. If any of the following conditions exist or questions arise concerning the serviceability of couplings, remove the assembly from service until the issues are resolved:
 - a. Excessive corrosion or pitting on the exterior and/or interior surfaces of the coupling.
 - b. Worn, broken, missing or damaged components.
 - c. Corrosion, excessive wear, damage or missing components on clamping devices.
 - d. Missing or improperly functioning safety devices.
- 2. For more detailed inspection information, refer to the following procedures:
 - Procedure 3000: Criteria for Sufficient Fit of a Boss™ Clamp (page 48)
 - Procedure 3001: Bolt Clamp Inspection (pages 49-50)
 - Procedure 3002: Band Clamp Inspection (page 52)
 - Procedure 3003: Inspecting Dixon® Cam and Groove (pages 53-54)

Hose

- 1. Inspect the entire length of the hose cover for blisters or soft spots. If either condition exists, discard the assembly. DO NOT pop the blisters. Blisters contain the product that was being conveyed through the hose. That material may be hazardous to personnel, equipment or the environment.
- 2. Inspect the entire length of the hose cover for cuts, gouges, abrasions or other imperfections like cracking, checking, dry rot, etc. If the hose cover is damaged to the point that the helical wire (if present) or the reinforcement is exposed, remove the assembly from service.
- 3. Inspect the entire length of the hose for 'kinked' or crushed spots.

Warning! These spots can cause a hose to burst, resulting in the destruction of property and/or serious injury or death to personnel.



If the spot has reduced the hose OD by 20% or more, remove the assembly from service. If the damage has reduced the OD by less than 20%, the assembly may be used if it passes hydrostatic testing. Refer to:
 - Procedure 4000: General Hydrostatic Testing Information (page 60),
 - Procedure 4001: Hydrostatic Test Procedure (page 61) and
 - Procedure 4002: Test Pressures for Boss-Lock™ and Dixon® Cam and Groove (page 62).
- 4. Inspect both ends of the hose tube for blisters, cracks, tears or separation. If any of these conditions exist, remove the assembly from service.
- 5. Remove any assembly from service if questions arise concerning the hose. Do not return the assembly to service until those issues have been resolved.