

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 Valve at 800-355-1991.
- 3. If hose related questions arise, contact the hose manufacturer.

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 device.
 - d. Missing or improperly functioning safety devices.
- 2. For more detailed inspection information, refer to the following procedures:
 - 3000: Criteria for Sufficient fit of a Boss Clamp
 - 3001: Bolt Clamp Inspection
 - 3002: Band Clamp Inspection
 - 3003: Used Boss-Lock Cam and Groove

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.

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

SAFETY
ALERT

If the spot has reduced the hose O.D. by 20% or more, remove the assembly from service. If the damage has reduced the O.D. by less than 20%, the assembly may be used if it passes hydrostatic test. Refer to Procedures 4000: General Hydrostatic Testing Information, 4001: Hydrostatic Test Procedure, and 4002: Test Pressures for Boss-Lock Cam and Groove.
- 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.