

#61 Cracked Clamp Inspection

How to: Color Penetration Test.

1. Inspect to identify any hairline cracks. (see image 1.)
2. Remove all paint and foreign material. (see image 2.)
3. Clean clamp with Cleaner/Remover. (see image 2.)
4. Apply Penetrant. (see image 3.)
 - a. Allow 1 to 30 minutes before removing surface penetrant, depending on suspected crack.
5. Using a rag, spray the rag with cleaner/remover to remove excess surface penetrant.
6. Apply Developer. (see image 4.)
 - a. Allow 5 to 15 minutes, then inspect for red lines on surface for any cracks while red dots will mark pores.
7. If cracks are found, remove the attachment from service and contact your local APE representative.



Image 1.



Image 2.



Image 3.



Image 4.

