Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Bin No. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Lab 4 Hydraulic Lines**

 Read AC 43.13-1B Pages 9-13 to 9-20

**References Required**

1. Where do you go for instructions to maintain, service and adjust hydraulic systems?

Reference

2. In replacing tubing, what size and material is used?

Reference

3. What size tubing can be bent by hand?

Reference

4. How much flattening is allowed in tubing bends?

Reference

5. Can tubing be forced into position by the coupling nuts?

Reference

6. What size tubing uses double flare?

Reference

7. How much of a scratch may be repaired by burnishing?

Reference

8. How much of a dent is acceptable?

Reference

9. In replacing flexible hose, what length is used?

Reference

10. Why not stretch hoses between two fittings?

Reference

11. How much slack should be provided for the above hose?

Reference

12. Is there a minimum bend radius for flexible hose?

Reference

13. How is a hose checked for kinking or distortion?

Reference

14. What is the maximum distance between supports on flexible hose?

Reference

15. When an O-ring serves as a gasket, is leakage acceptable?

Reference

16. When an O-ring serves as a seal (in a dynamic application) is leakage acceptable?

Reference

17. In the above, when the seals (and the parts they’re installed on) are not moving, is seepage

 acceptable?

Reference

18. Where do you find acceptable seepage limits?

Reference

19. Why not re-tighten packing gland nuts?

Reference