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

**Lab 2 Hydraulic Fluids**

**References Required**

1. Using the information in the above reading, identify the following characteristics of each fluid

 A. Identification by color of:

 Mineral Base

 Phosphate Ester Base

 Polyalphaolefin Base

 B. Identification by mil spec: (see text)

 Mineral Base

 Phosphate Ester Base

 Polyalphaolefin Base

 C. Application to seal types: (see text)

 Mineral Base

 Phosphate Ester Base

 Polyalphaolefin Base

 D. List the safety effects you should be aware of when handling these fluids:

 Mineral Base

 Phosphate Ester Base

 Polyalphaolefin Base

Reference ­­­­­­­­­­­­­­­­­

2. Using the maintenance manual or (microfiche) determine the following.

 A. Which fluid type is used to service the brakes on a Cessna Model 152 aircraft?

Reference

 B. Which fluid type is used to service the brakes on a Piper PA28-140 aircraft?

Reference

 C. Which fluid type is used to service the brakes on a Cessna Model 310?

Reference

1. Which fluid type does the service manual say to service the main hydraulic system with on the Saberliner?

Reference

 What does the placard on the Aircraft Hydraulic Service Port say?

 E. Phosphate ester base fluids are compatible with what kind of materials found on aircraft?