Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Bin #\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Lab 3 Hydraulic Seals**

**References Required**

**1**. To prevent leakage of hydraulic fluid and thereby preserve the pressure in the system

is the purpose of what?

Reference

**2**. Name the types (usage) of seals. 1.

2.

Reference

**3**. Using the Cessna service & maintenance manual and illustrated parts manuals. Locate the nose strut of a Cessna 310 and list the seals below.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Fig. & No. | Part No. | Name | No. Req. | Price |
| 1. |  |  |  |  |
| 2. |  |  |  |  |
| 3. |  |  |  |  |
| 4. |  |  |  |  |
| 5. |  |  |  |  |
| 6. |  |  |  |  |
| 7. |  |  |  |  |
| 8. |  |  |  |  |
| 9. |  |  |  |  |

Reference

**4**. How many back-up rings are there?

Reference

**5**. What do the different seals do? (Gasket or packing) (One way or two way)

|  |  |
| --- | --- |
| 1. | 6. |
| 2. | 7. |
| 3. | 8. |
| 4. | 9. |
| 5. |  |

Reference

LANE COMMUNITY COLLEGE A2-B-LP-03

ADVANCED TECHNOLOGY DIVISION Aviation Maintenance Technician

Mechanical Technologies Department

**6**. What fluids are the following “O” rings compatible with?

|  |  |
| --- | --- |
| 1.Blue dot or stripe: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 4.White stripe: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 2.Red dot or stripe: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | 5.Green stripe: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |
| 3.Yelow dot: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |

Reference

**7**. Are V and U packings one or two way seals?

Reference