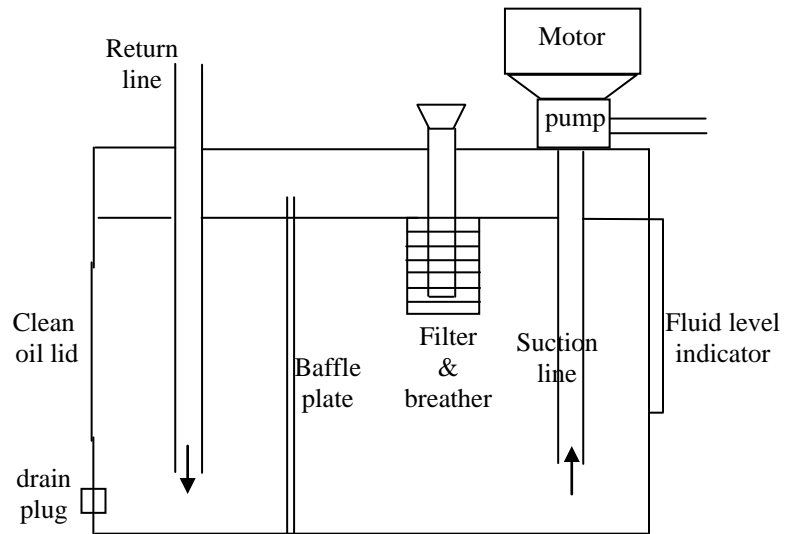


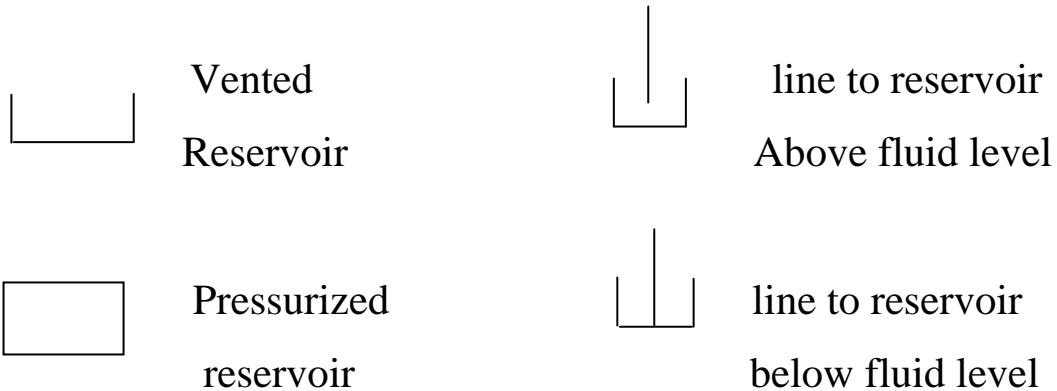
## 1 – Oil tank



### Functions:

- 1 – Storing oil
- 2 – Cooling oil
- 3 – Separation of air from oil
- 4 – Draining of impurities from the bottom of tank.

### \* Symbols:



## **2- Hydraulic fluid**

### **Hydraulic fluid functions:**

- 1 – Transmit power.
- 2 – Lubricate moving parts
- 3 – Seal clearances between mating parts.
- 4 – Dissipate heat.
- 5 – Prevent corrosion.

### **Hydraulic fluid properties**

- 1 – Good lubricity.
- 2 – Ideal viscosity.
- 3 – Chemical and environmental stability.
- 4 – Compatibility with system materials.
- 5 – High degree of incompressible.
- 6 – Fire resistance.
- 7 – Good heat transfer capability.
- 8 – Low density.
- 9 – Foam resistance.
- 10 – No toxicity.
- 11 – Low volatility.
- 12 – Inexpensive.
- 13 – Ready availability.