

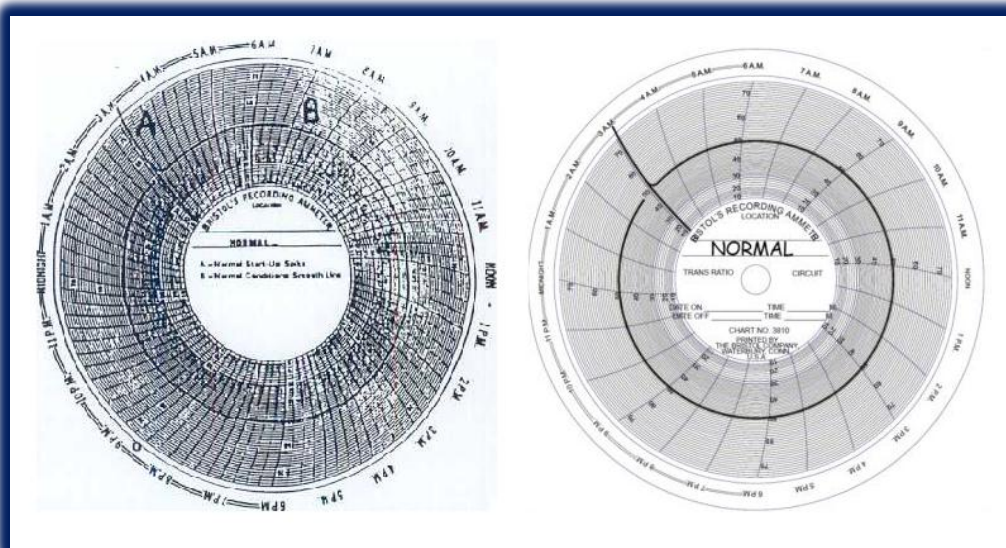
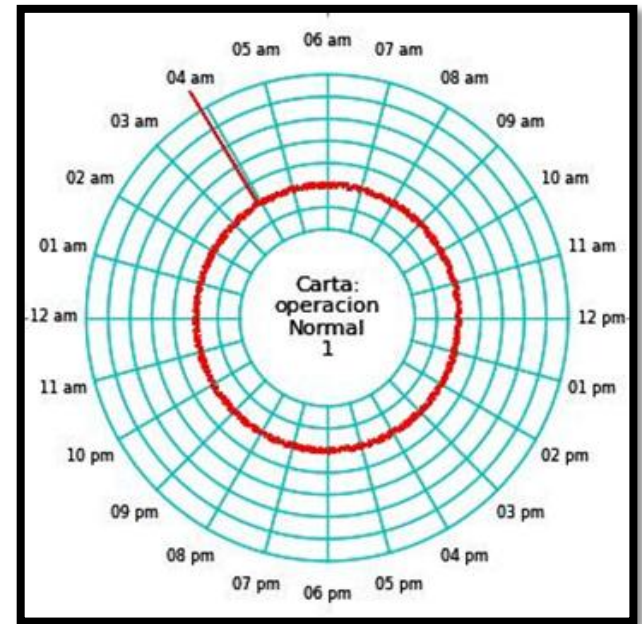
# **Cartas Amperimétricas en el Sistema BES**



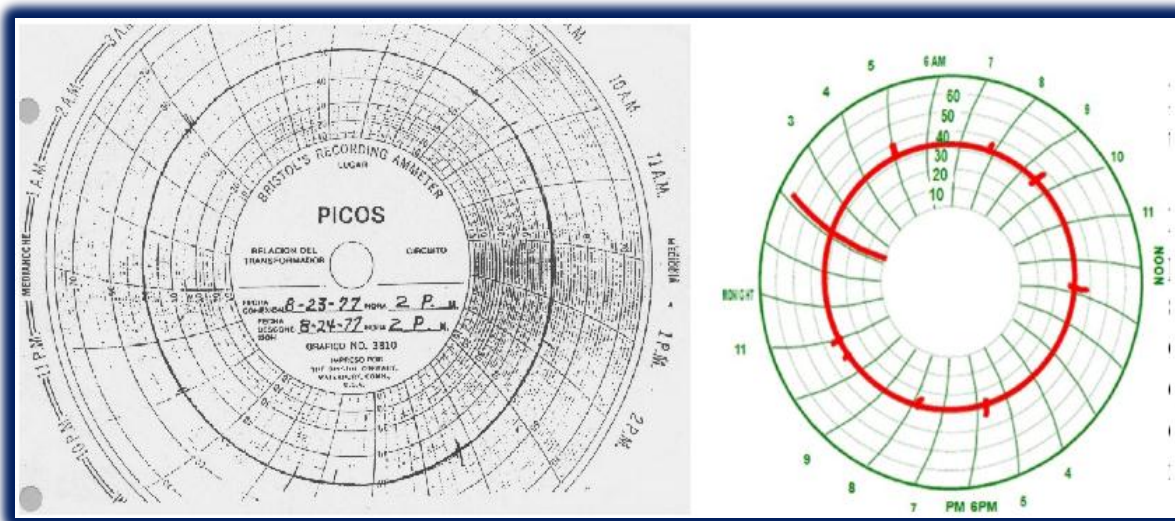
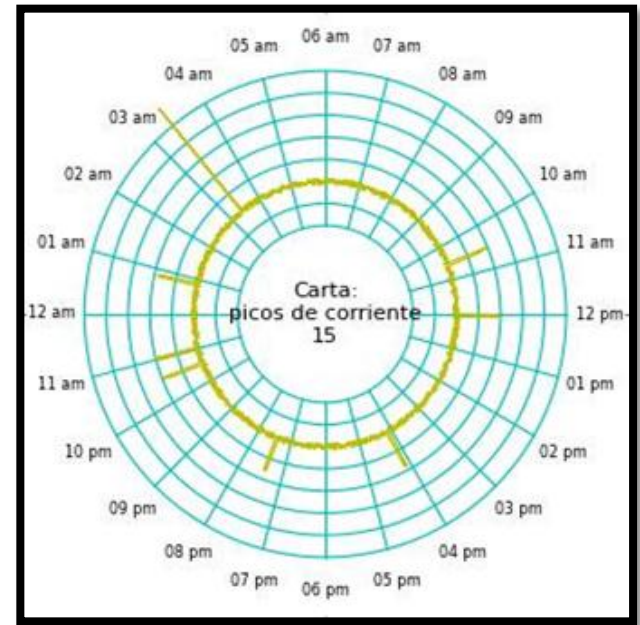
## **Aprendizaje Automático**

**Angel Leonardo Duarte Montes**

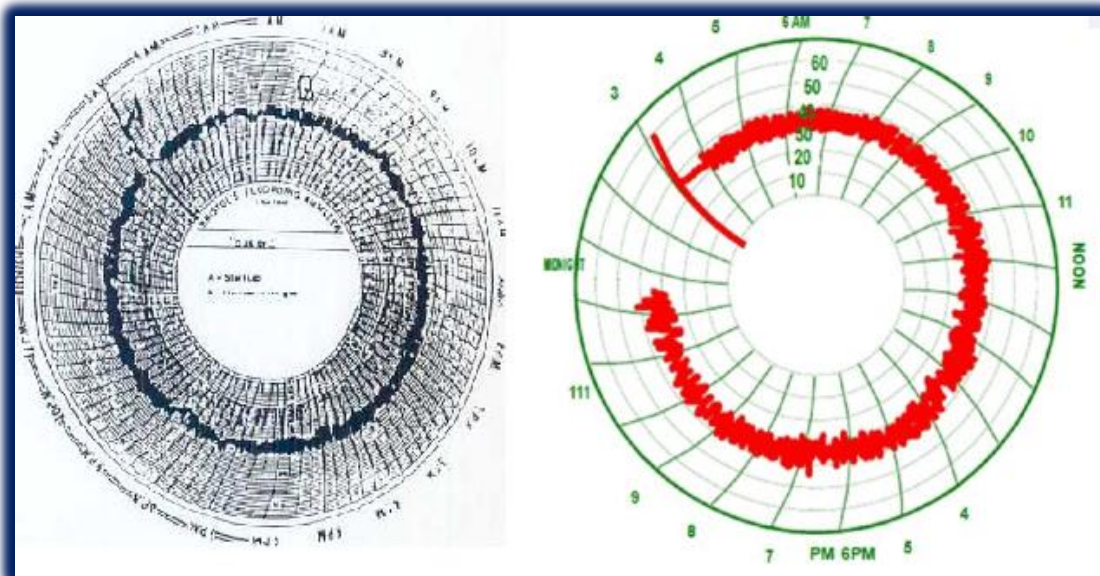
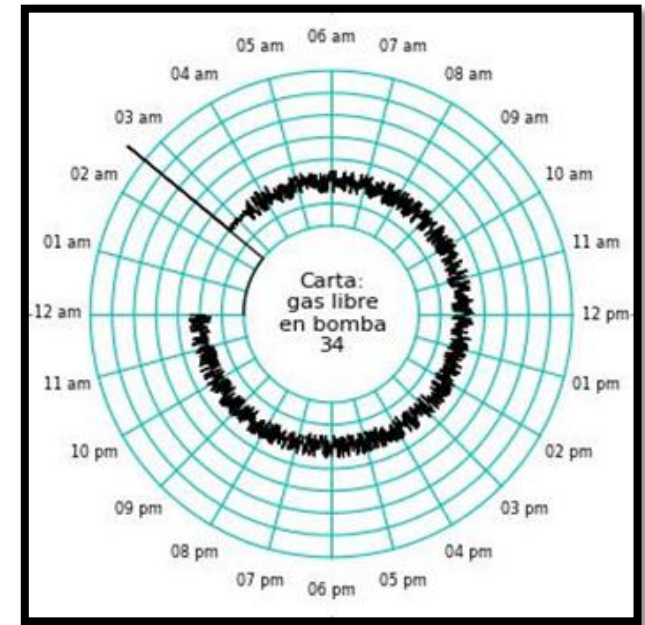
# Carta Operación Normal



# Carta con picos de corriente

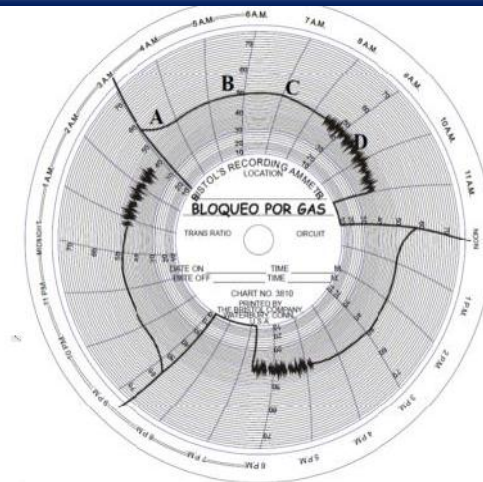
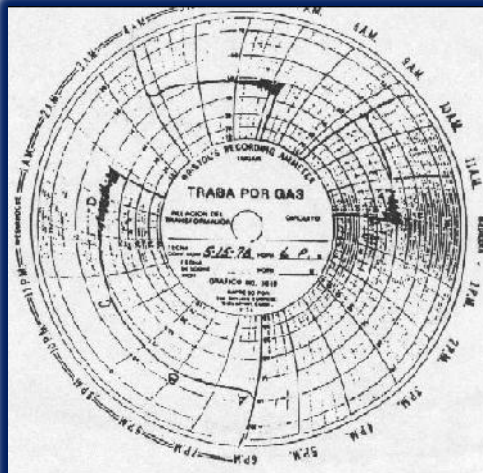
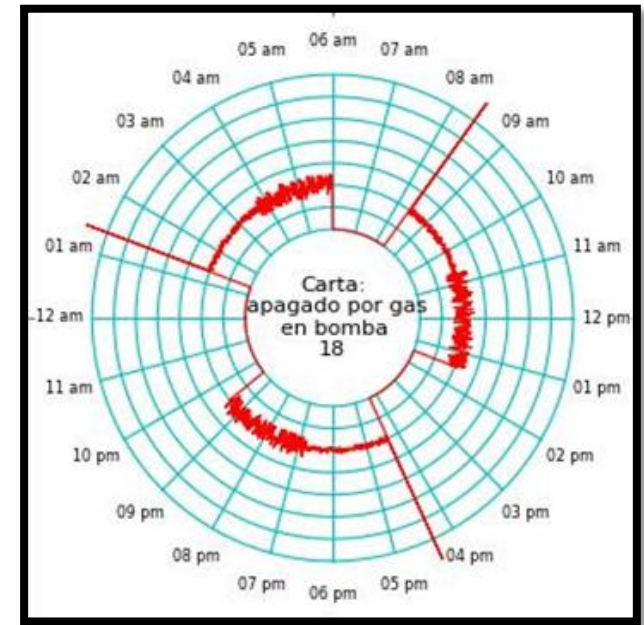


# Carta con gas libre en la bomba

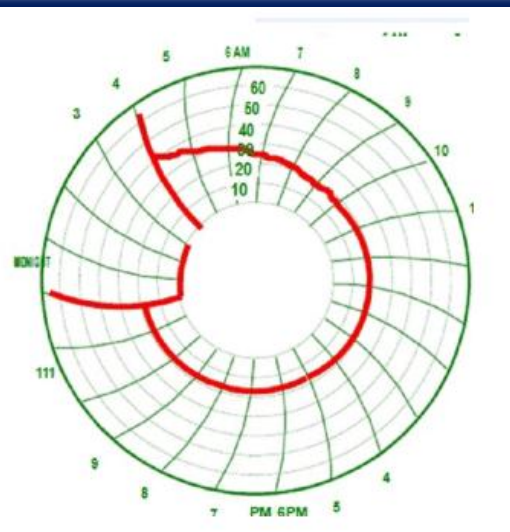
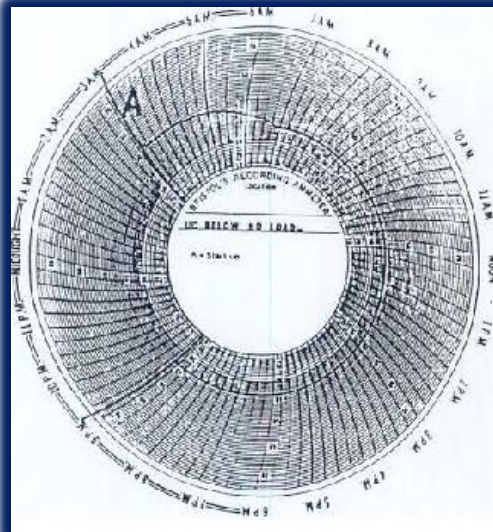
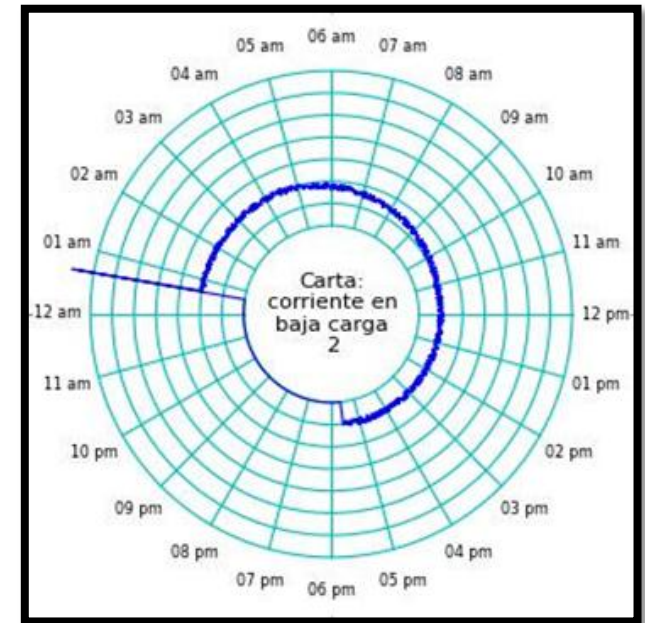




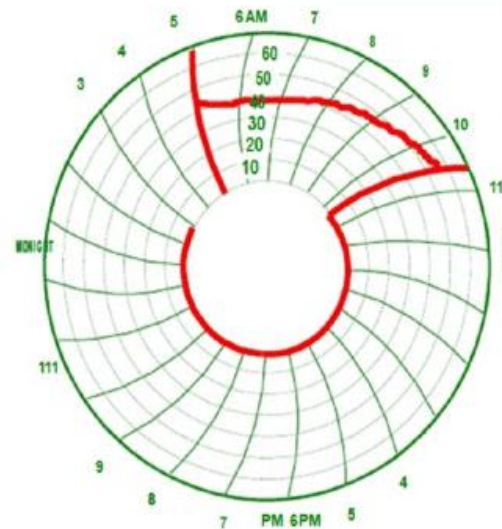
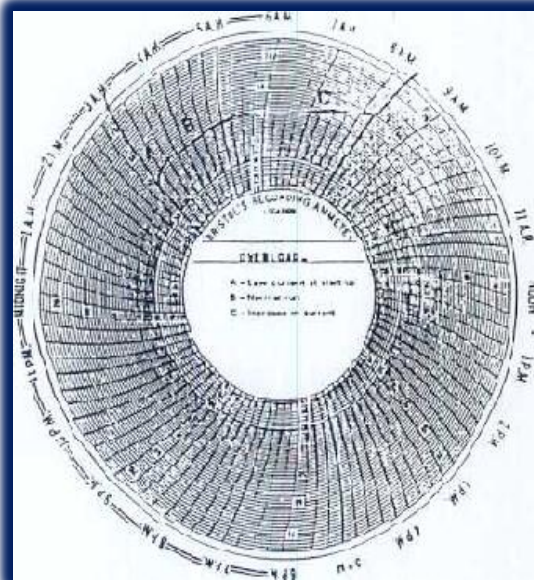
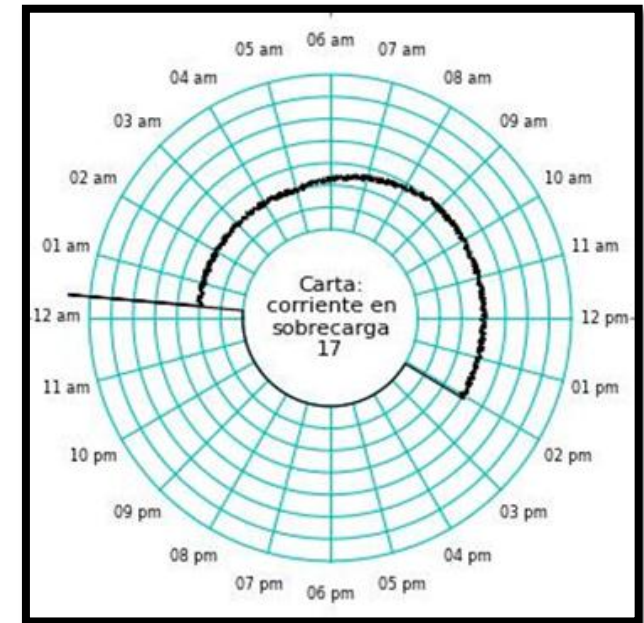
# Carta con bloqueo por gas en la bomba



# Carta en baja carga

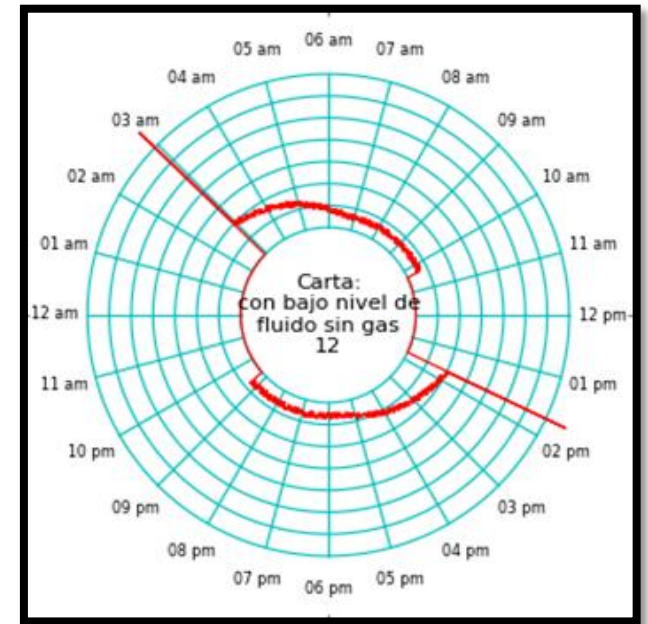


# Carta en sobre carga

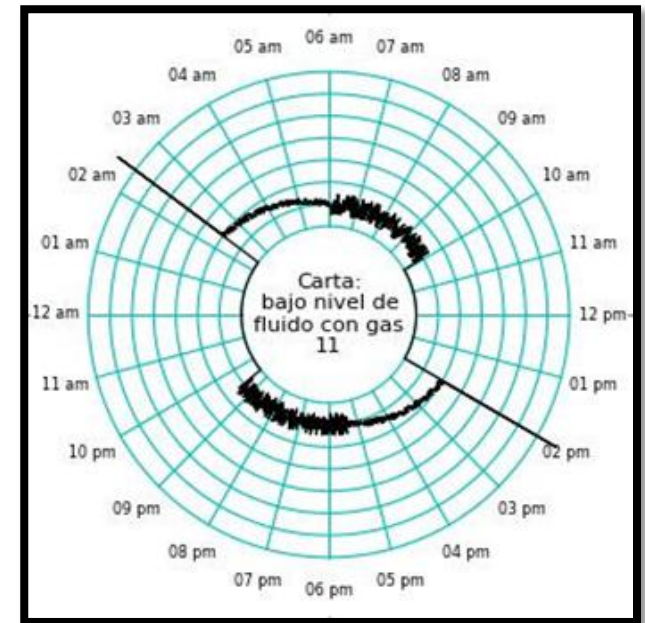




# Carta bajo nivel de fluido sin gas

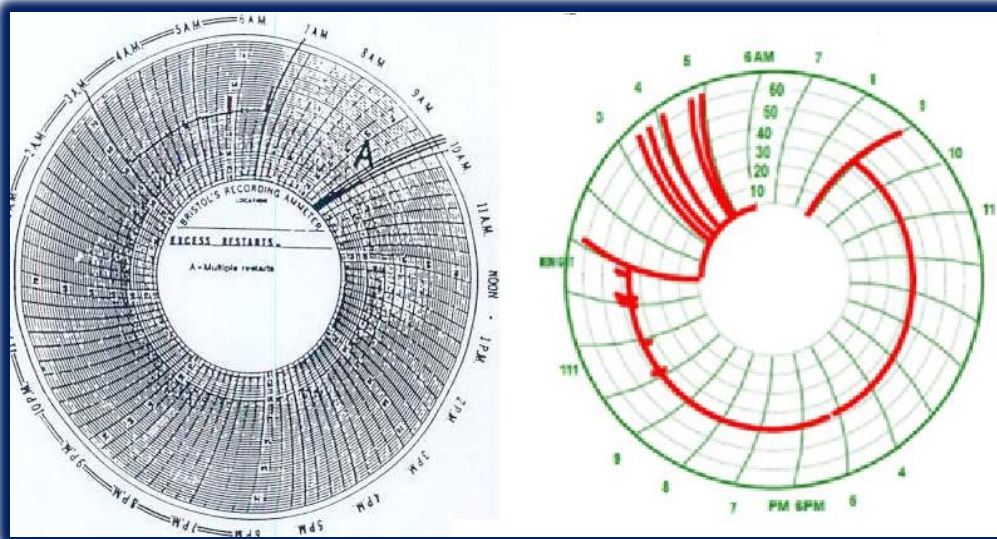
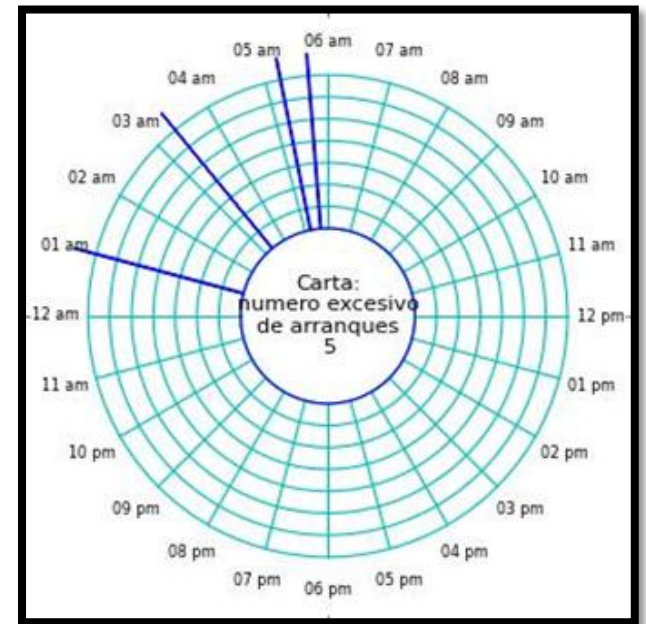


# Carta bajo nivel de fluido con gas

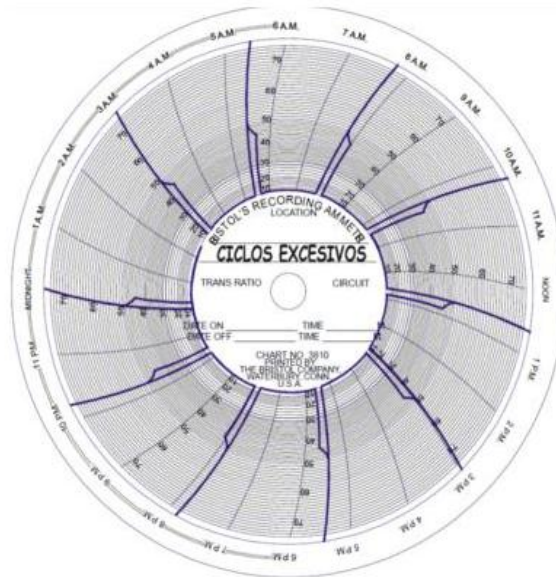
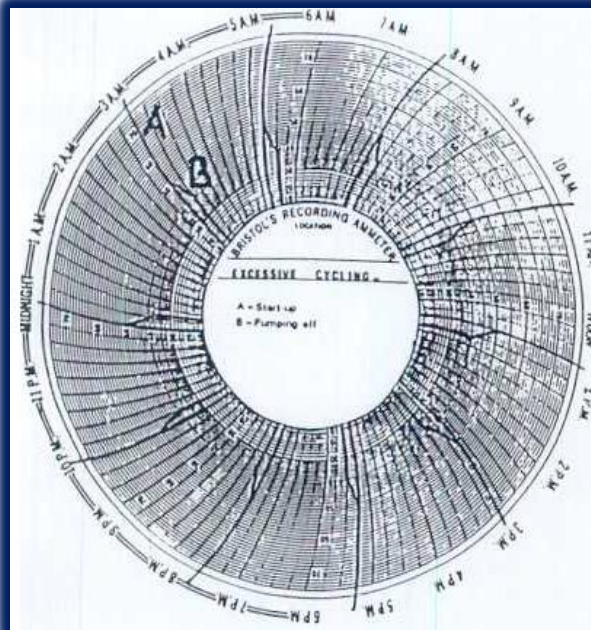
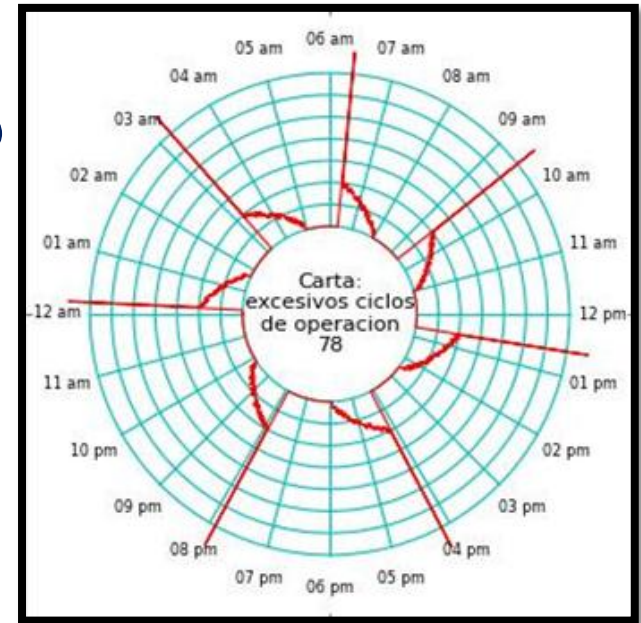




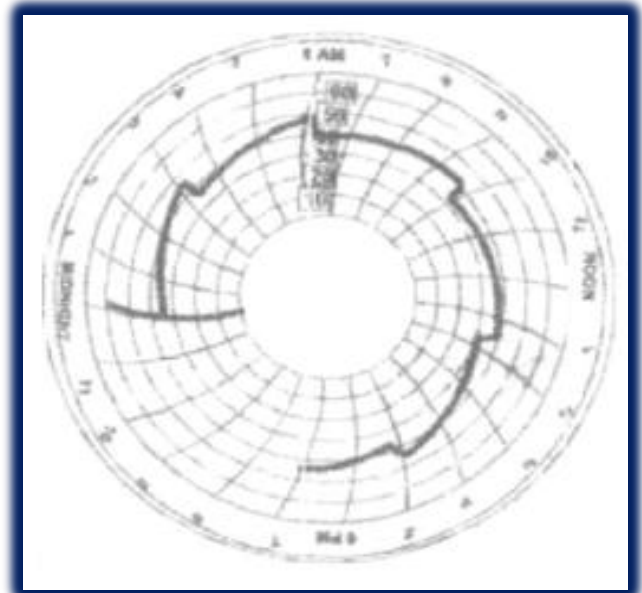
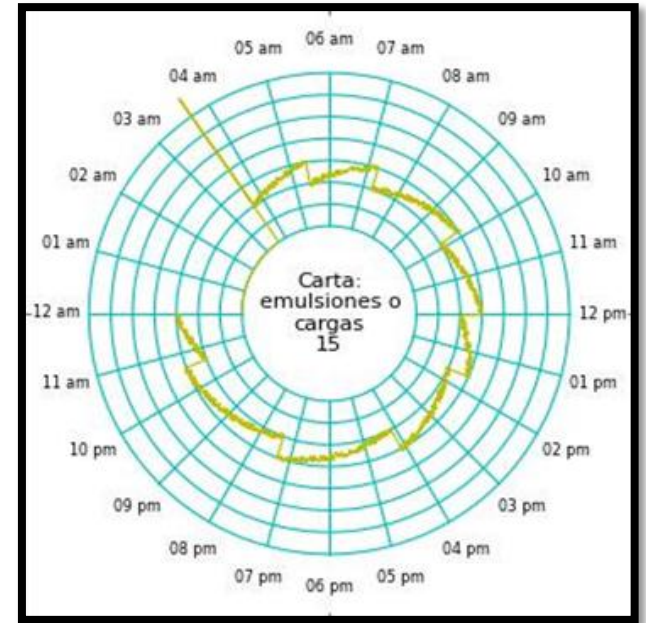
# Carta excesivos intentos de arranque



# Carta excesivos ciclos de operación

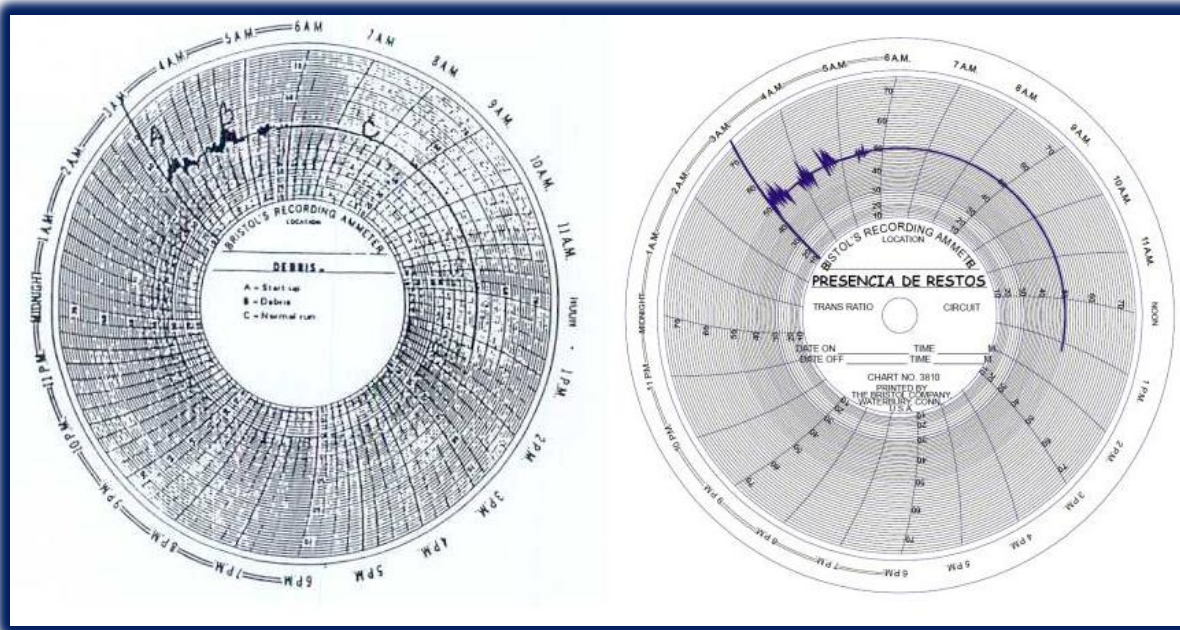
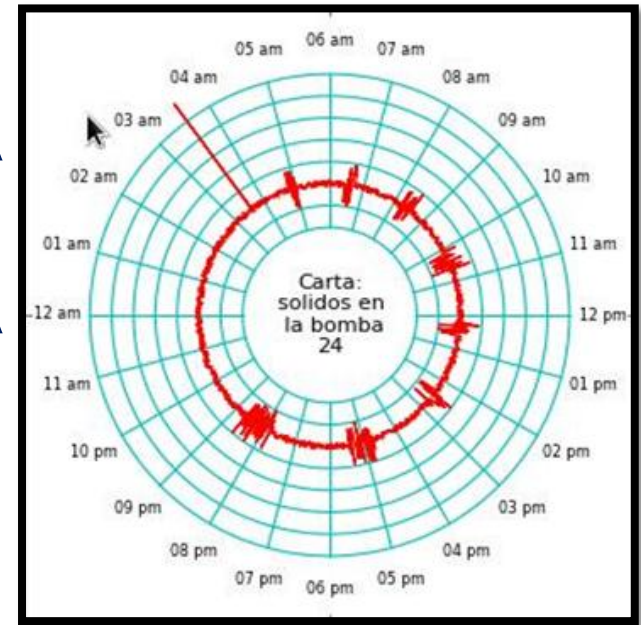


# Carta Emulsiones o cargas en superficies





# Carta presencia de sólidos en la bomba.



# Carta descarga de fluido de control

