Wednesday, March 31, 2021

- Alex () column

A turbine operates steadily with a flow of air and produces 200 kJ/kg of work out. The air enters the turbine at a temperature and pressure of 800° C and 400 kPa at a rate of 5 m^{3} /s. The flow leaves the turbine at 500° C and 200 kPa. Calculate the amount of heat lost from the air in this process [Answer in kW].

11:47 AM

T= 1073 M

p= 400 hPa

$$Q = (6.493)(-100)$$