Tleumo I - Winter 24

Realton

9) . Soci Q ous

0 = in (he-ha) + ZQ - ZW

O = men (he-ha) + QR+ Qaus

- Qaus = men (he-ha) + QR

| men = 0,3 %

he @ T= 70° "Soedende Flüssigheil"

hs = 5056'8] 10% -> p= pt (50.).

(neg. do Q aug

Goos = -67,1821ch

he @ 1= 1000 TA-2

r= = rt (1000)

45 = 50201] KAIS

- Q aus = 0,3 /5 (292,98-419,04) / + 100 kw = 67,182 kw

$$\overline{T} = \frac{\int_{a}^{\alpha} T ds}{S_{\alpha} - S_{e}} = \frac{\int_{z}^{z} T_{z}}{I_{n} \left(\frac{T_{z}}{T_{i}}\right)} = \frac{293.12 \, \text{k}}{\left(\frac{T_{z}}{T_{i}}\right)}$$

Ses: Senz zw. Reakter and Küllmantel

e) SPSOSN2 $\Delta S_{1}z = Zom S + Z = T_{1} + Senz$ $\Delta S_{1} = S_{2} - S_{1} = m(s_{2} - S_{1}) = Z_{7} + Senz$ $M_{SPSI} + \Delta m_{12}$ $M_{SPSI} + \Delta m_{12}$ $M_{SPSI} + \Delta m_{13}$ $M_{SPSI} + \Delta m_{13}$

d) ses: Amiz

ΔΕ = 0 m 12 [h 12] + [Q 12 - 2 Wn

Ly king Addid

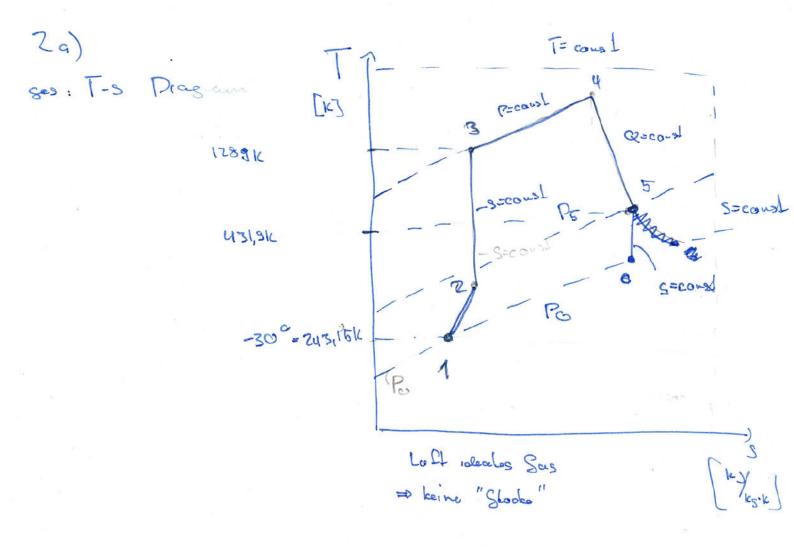
m2.02 - m.01 = 0 m 12 h 12 + QR

| QR =

mz-mi (hz-hi)

| m1= 2200kg

U, @ X=0,005, @70°C



$$H = \pi \cdot r^2 = \pi \left(\frac{d}{2}\right)^2 = \pi \cdot \left(\frac{10 \cdot 10^2}{2}\right)^2 m^2$$

$$= H \cdot \frac{1}{400} m^2$$

m= pV PT = 0,002 44/es = 7,45 = 0,409/es 162,28

R = 162,28

N= 77 3,15 L

P= 150 = 10 Pa

N= 3,14.10 m³

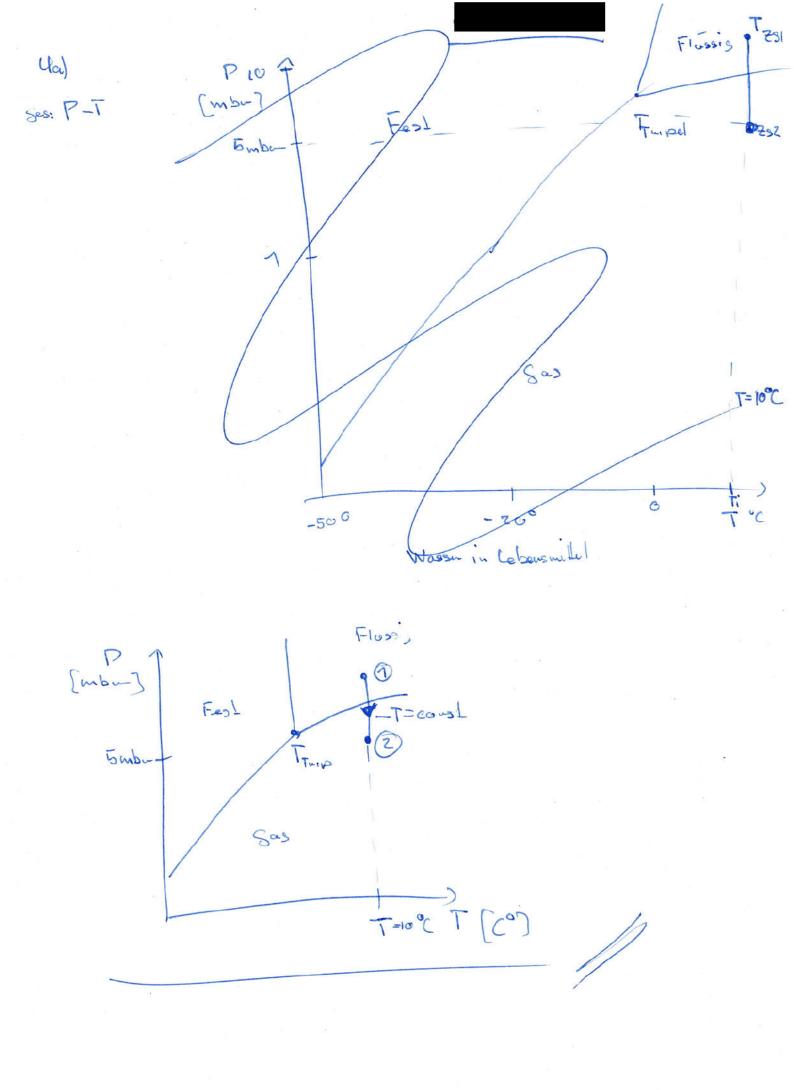
80: 758 =

TSZ = TEW ->

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c)
Ses: Giz
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Ses:



43@ P3=86m @[T3]?

$$A = \Phi + \lambda (\Phi^8 - \Phi \epsilon).$$

$$x = \frac{4 - \Phi L}{\Phi_8 - \Phi L}$$

Die Tempenahm wordt langsamm sinker Saxe lassen sich Leichte Kühle als Flüssig Leiber Falls der Durck