205/2 Whitehead

Thermo Quiz 7 du=TdS-PKV dH=Tds+VdP $\frac{du}{T} = ds = \frac{cvdT}{T} = \sum_{T=0}^{\infty} \Delta S = \frac{cvdT}{T}$ DU = Q+WECT VS .. DU=0= DU, + DU2 ·· m, (, [72-70] + m2(2(5-1,)2 = 0 m, C, T2 - m, C, T, + m2 (2 T2 - m2 (2 T12 m, (,T2 + m2 (212 = m, (,T11 + m2 (21,2 T2 = m, (, t, t m2 (2T, 2 m, (, + m2 (2 2. DS= Colon (12)= C, loti) (m) + C2 m2 loti) 3, DS=Sge + 5, 2 : DS=5ge 4) 4:0.08-3 P= 100 KPa T, = 300 K =TE 9AU+2LT=HLD VL9-8AT=NA Du= atwecting VE(=-5, PM The surface CUDY + PDV=Q Reversible: Som = 0

5.	$T_{H} = 1200 k$ $Q_{H} = S00 k = k $ $T_{C} = 300 k$ $M_{\theta} = 1 - \frac{T_{C}}{T_{H}} = 0.75$
ı	Tc=300k
	$M_0 = 1 - \frac{T_c}{c} = 0.75$
	TH -
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