THERMO# 3175

and from same table the internal energies are $(\frac{\cancel{k}\cancel{3}}{\cancel{k}\cancel{3}})$ $u_1 = 235.09 + \frac{\cancel{k}\cancel{3}}{\cancel{k}\cancel{3}}$ $u_2 = 252.4 + \frac{\cancel{k}\cancel{3}}{\cancel{k}\cancel{3}}$

△1111: U2-U1: (252,4-235,09) = 17.31 +9

therefore

$$A \frac{9}{12} = A \frac{1}{4} \frac{1}{4} + A \frac{1}{4} \frac{1}{4} \frac{1}{4} = \frac{1}{4} \frac{1}{4}$$

$$W_{12} = 2.24 \frac{1}{19}$$
 $Q_{12} = 19.6 \frac{1}{19}$