Para
$$t = to$$
 $P_{A} = P_{P} + h_{A} V_{OIL} = h_{2} V_{OIL}$
 $P_{A} = W_{P} / A_{P} + h_{1} V_{OIL} = h_{2} V_{OIL}$
 $W_{A} + h_{1} V_{OIL} - h_{2} V_{OIL} = 0$
 $P_{A} = W_{P} + h_{1} V_{OIL} + W_{P} = V_{OIL} (h_{2} + \Delta H)$
 $P_{A} = W_{P} + h_{1} V_{OIL} + W_{P} = V_{OIL} \Delta H + W_{P} = 0$
 $V_{A} = V_{OI} \Delta H + W_{P} = 0$
 $V_{A} = V_{OI} \Delta H$
 $V_{A} = V_{OI} \Delta H$