MET 330 Homework 1 Alex Higgins ()
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A convince press is used to a me conve.
Force 260: 18,000 105 Porow Danerse: 2.50"
Reavised:
(Alculare THE welescare on pressure to produce eeravised Force
Solution:

$$P = E$$
 : $P = 0:c$ measure
 $A = Areq of Recover
 $P = (18,000 105) = 3667 \text{ psi}$
 $TT (2.50")^2$
A fiven:
Compute the pressure chanke required to reduce the usual
of H_S at 1%
Peavise on
Compute pressure chanke required to reduce the usual
of H_S at 1%
Peavise on
Compute pressure chanks, provide America in psi and MPa
Solution:
(1) $F = \frac{-\Delta P}{\Delta U}$: $F = Recover Chanks of H_S
 $\Delta U = Neces Chanks, Solution
(1) $F = \frac{-\Delta P}{\Delta U}$: $F = Recover Chanks of H_S
 $\Delta U = Neces Chanks () = 1367 Point () = 1367 Point () Po$$$$$

$$\frac{\Delta V}{V} = -0.01$$

HOMEWORK 1 ALEX HIGGINS 2 MET 330 · SOLVE (1) FOR SP: 1-58 LONT $\Delta P = -E\left(\frac{\Delta V}{V}\right)$ · IN Psi: AP=-(3,550,000 Psi) (-0.01) = 35,900 Psi · IN MPG: AP = - (24,750 MPa) (-0.01) = 247.5 MPa GIVEN: 2-17 GIVE 4 EXAMPLES OF FLUIDS THAT ARE NON-NEWTONIAN REQUIRED. PROVIDE 4 ELAMPLES SOLUTION: 1. PRINTER INK 2. FLOUR DOULH 3. LIQUID POLYMERS 4. KETCHUP GIVEN: 2-18 WATER @ 40'C REQUIRED' DETERMINE THE VISCOSITY OF HZO @ 40°L USING TEXTBOOK TAGLES So LUTION: η = 6.5.10-4 Pars