

$$\beta = |\frac{1}{2}(2\pi)| = 2\pi$$

$$\mu = 0.28$$

$$P = 19.86M$$

$$\Rightarrow P = 19.86M$$

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$$\Rightarrow P = 381.5M$$

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(36)! drum CW, 50 T2>Ti.

$$m(T_2) = (0.33)\frac{74}{6} \rightarrow Ta = 3.35 185 Ti$$
 $torque = 200 N·m = (T_2 - Ti) 140 mm$

For ABD: 5/B=0=-Ta(150am)+Ti(30am)+P(430mm)

>T = 607.424N

+T2=2.035994W

at C: pully egin: In

TA=75.0 M
$$\frac{T_A}{T_B} = \mu_s \beta = (0.45)(\frac{\pi}{2}) = \mu_s \frac{75.00}{(2)}$$

Solve for: $W_B = 82.2 M$