8.27

8.27 For oil (SG = 0.86, $\mu = 0.025 \text{ Ns/m}^2$) flow of 0.3 m³/s through a round pipe with diameter of 500 mm, determine the Reynolds number. Is the flow laminar or turbulent?

$$SG = S/\rho_{Hzo} = 0.86$$

 $SG = S/\rho_{Hzo} = 0.86$
 $SG = S/\rho_{Hzo} = 0.$

Based on the criterion that Re < 2100 represents laminar flow, this flow is turbulent.