

Animation Worksheet: Rotor Oil Pump

Name: _____ **Date:** _____

1. A rotor-type oil pump is a common design used in internal combustion engines to circulate oil under _____.
2. This pump provides lubrication to engine components, reduces friction, and helps _____ the engine by carrying heat away.
3. The _____ is a stationary ring with internal lobes that sits inside the pump housing.
4. The _____ is a rotating gear with external lobes that is offset inside the outer rotor.
5. The inner rotor is typically connected to the engine's _____ or camshaft.
6. The pump housing encloses the rotors and provides _____ channels for the oil.
7. The pump operates based on the _____ and _____ of chambers between the inner and outer rotors.
8. As the inner rotor turns, it _____ the outer rotor because their lobes mesh together.
9. When the space between the lobes increases, it creates a _____ that draws fluid into the pump from the inlet port.
10. As the rotors continue to rotate, the space between the lobes decreases, which _____ the fluid and forces it out under pressure.