

Animation Worksheet: Dry Sump Oil System

Name: _____ Date: _____

1. A dry sump oil system is designed to prevent _____ during high-speed cornering or acceleration.
2. In a dry sump system, engine oil is stored in a separate _____ rather than in the engine block itself.
3. To prevent oil from pooling in the crankcase, it is _____ (collected) from the engine.
4. The _____ pump pulls oil from the shallow sump and moves it to the storage tank.
5. The storage tank often includes _____ and a de-aeration chamber to separate _____ from the oil.
6. A larger volume of oil in the external tank helps to improve engine _____.
7. Before the oil is sent to the engine's oil galleries, it is pressurized by the _____ pump.
8. The _____ removes contaminants and particulates to ensure only clean oil reaches sensitive parts.
9. The _____ reduces the oil's temperature before it is recirculated, which helps maintain proper oil _____.
10. Pressurized oil is delivered to critical components, including the crank bearings, cam bearings, and _____.