

Automotive Technology 7th Edition
Chapter 20: Lubrication System Operation and Diagnosis
Short Answer Quiz

Name:

Date:

1. Detail the primary purposes and functions of the lubrication system in an engine.
2. Explain the principle of boundary lubrication and its implications for engine wear and performance.
3. Describe the difference between hydrodynamic lubrication and boundary lubrication.
4. Discuss the role and importance of the specified oil viscosity and oil clearances in the context of preventing boundary lubrication.
5. Outline the typical components of an engine's lubrication system and their respective functions.

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6. Elucidate the operating mechanism and purpose of oil pumps in the lubrication system.

7. Describe the significance of oil passages and how they ensure effective lubrication of engine components.

8. Differentiate between a dry sump system and a wet sump system in the context of engine lubrication.

9. Discuss the role and benefits of oil coolers in the lubrication system.

10. What is a windage tray, and why is it important in the context of the lubrication system?