

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

Name: _____ Date: _____

Matching: Choose the item in column 2 that best matches each item in column 1.

- | | | |
|--------------------------------|---|-----------|
| 1. Boundary lubrication | A. Oil passages in an engine block. | 1. _____ |
| 2. Cavitate | B. Occurs when a wedge of oil is created between two moving surfaces, completely separating them. | 2. _____ |
| 3. Dry sump | C. Pumps that deliver a constant volume of fluid for each revolution. | 3. _____ |
| 4. Gallery | D. Occurs when the oil film is so thin that the asperities (microscopic peaks) of the two surfaces rub together. | 4. _____ |
| 5. Gerotor | E. The most common lubrication system, where the oil pan is located directly below the engine and holds the engine oil. | 5. _____ |
| 6. Hydrodynamic lubrication | F. A lubrication system that uses a separate oil tank, allowing for better oil control and cooling in high-performance engines. | 6. _____ |
| 7. Positive displacement pumps | G. The formation of vapor bubbles in a liquid due to a drop in pressure, which can damage a pump. | 7. _____ |
| 8. Pressure regulating valve | H. A baffle located in the oil pan that prevents the crankshaft from churning the oil, reducing aeration and improving oil control. | 8. _____ |
| 9. Wet sump | I. A common type of oil pump that uses an inner and outer rotor to pump oil. | 9. _____ |
| 10. Windage tray | J. A valve that controls oil pressure by bypassing excess oil back to the oil pan. | 10. _____ |

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

Answer Key:

1. D
2. G
3. F
4. A
5. I
6. B
7. C
8. J
9. E
10. H