

Automotive Technology 7<sup>th</sup> Edition  
Chapter 19: Engine Oil and Filters  
Short Answer Quiz

Name:

Date:

1. Detail the primary functions and importance of engine oil in an internal combustion engine.
2. Explain the role and significance of engine oil additives.
3. Discuss the properties of engine oil that make it suitable for its role in the engine.
4. Describe the SAE rating and its relevance in categorizing engine oils.
5. What is the significance of the API rating for engine oils, and how does it differ from the ILSAC oil rating?

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6. Explain the European oil rating system and its implications for vehicles operating in European regions.

7. Discuss the characteristics and advantages of synthetic oils compared to conventional engine oils.

8. How do high mileage oils differ from regular engine oils, and what benefits do they offer?

9. Describe the primary functions of oil filters in the engine's lubrication system.

10. Outline the typical procedure for an oil change and the precautions one should take during the process.