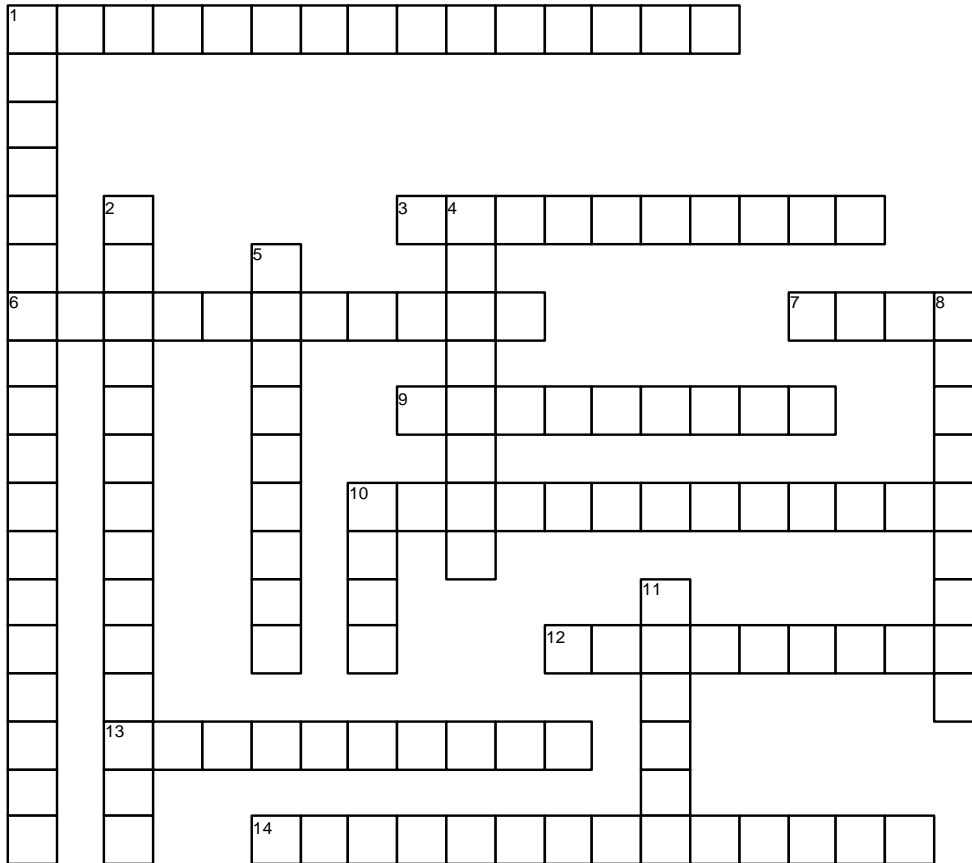


Diesel Service Procedures

Chapter 16



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ACROSS

- 1 It is important to make sure the diesel fuel meets the _____ standards for either 100% diesel or the standards for biodiesel blends.
- 3 An _____ of DEF will last approximately 36 months.
- 6 A water separator contains a _____ sensor that is used to illuminate an indicator on the instrument panel when service is needed.
- 7 Abbreviation for technical service bulletins.
- 9 Most manufacturers recommend changing the _____ at the same time the oil is changed.
- 10 _____ fluid is a mixture of 32.5% laboratory grade ammonia and 67.5% deionized water.
- 12 For every gallon of diesel fuel that is used by a diesel engine, 10,000 gallons of air flows through the _____ system.
- 13 The nitrate level is checked with _____ similar to the ones used to check pH levels and freeze protection.
- 14 prior to beginning any maintenance process on any light-duty diesel vehicle, it is important to complete several tasks called _____.

DOWN

- 1 The _____ gauge is designed to measure a pressure that is less than atmospheric so that it will sense a restriction when the air filter needs to be replaced.
- 2 Light-duty diesel engine vehicles are equipped with one or two fuel filters and a _____ with a drain valve.
- 4 Most manufactures recommend the use of _____ coolant.
- 5 Most manufacturers specify a specific type, grade, and _____ of oil.
- 8 In many cases, manufacturers have _____ the service interval for servicing cooling systems to avoid costly problems associated with low nitrate levels and issues related to acidity.
- 10 Abbreviation for diagnostic trouble codes.
- 11 It is normal for DEF to _____ when the temperatures reach 12°F (-11°C).