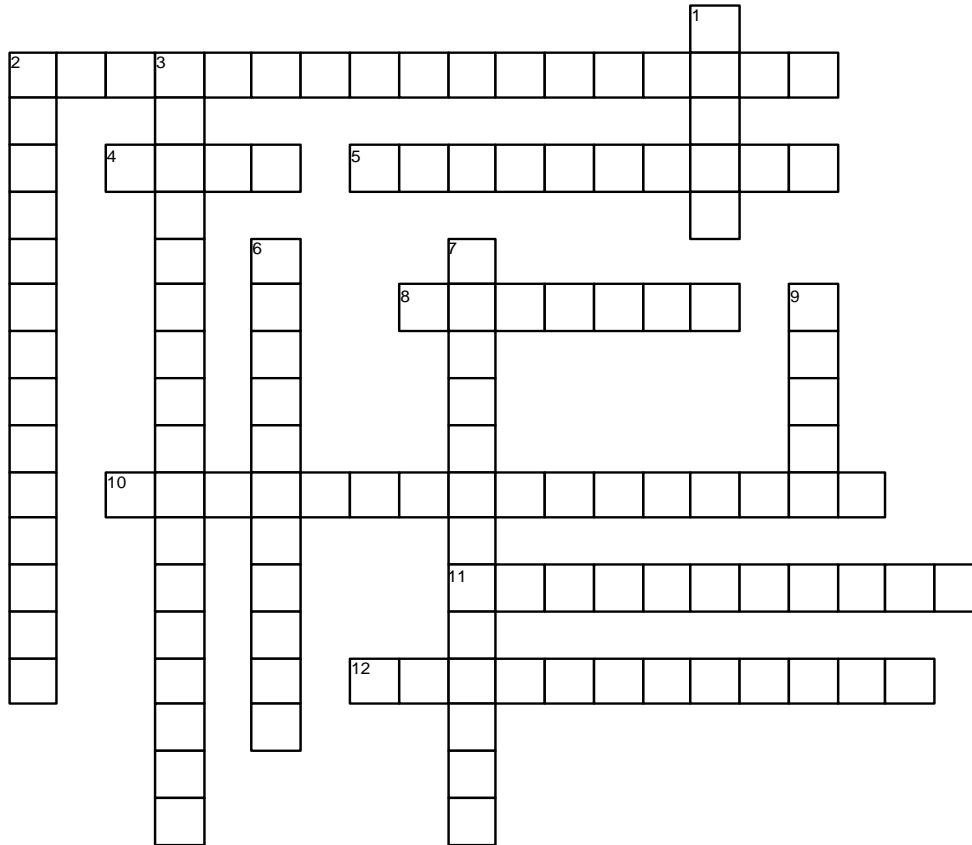


Antifreeze And Coolant

Chapter 8



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ACROSS

- 2 This coolant has a small amount of a substance that makes it taste bitter and therefore not appealing to animals.
- 4 A newer variation of organic acid technology is called hybrid organic acid technology (_____).
- 5 _____ is a concentrated, glycol-based liquid that must be diluted with water before using.
- 8 ____-_____, developed by Havoline, is just one brand of OAT coolant, which has been used in General Motors vehicles since 1996.
- 10 _____ is the flow of an electrical current as a result of two different metals in a liquid, which acts like a battery.
- 11 _____ technology (OAT) coolant contains ethylene glycol, but does not contain silicates or phosphates. The color of this type of coolant is usually orange.
- 12 _____ requires the use of an outside voltage source. The source is usually due to a poor electrical ground connection.

DOWN

- 1 _____ is half of the coolant and can have an effect on the corrosion protection of coolant due to variations in its quality, which is often unknown.
- 2 All manufacturers recommend the use of _____ based coolant, which contains the following components: Ethylene glycol (EG): 47%, Water: 50% , Additives: 3%
- 3 _____ technology is conventional coolant that has been used for over 50 years.
- 6 _____ is a chemical reaction that takes place between coolant additives and the metal that it protects.
- 7 A _____ is a tester used to test the freezing point of coolant by placing a few drops of coolant on the prism surface.
- 9 Phosphate hybrid organic acid technology (_____) is used in Mazda-based Fords (2008+), same as Mazda FL-22, and is ethylene glycol based. This coolant is available in a 55% coolant/45% water premix.