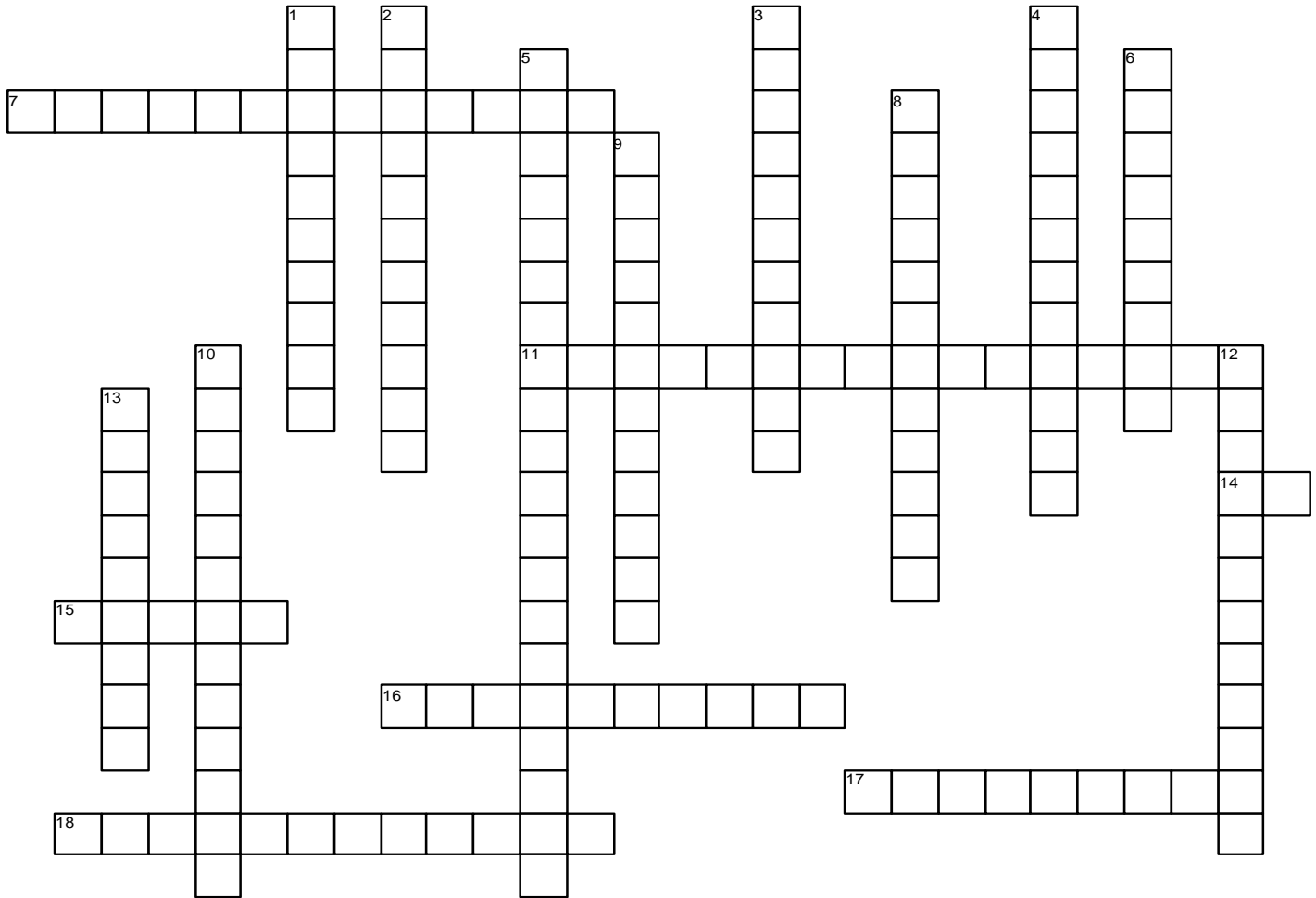


Engine Cleaning And Crack Detection

Chapter 24



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ACROSS

- 7 _____ have pH numbers from 1 through 6.
- 11 Most chemical cleaners used for cleaning carbon-type deposits are strong soaps called _____.
- 14 ____ value, measured on a scale from 1 to 14, indicates the amount of chemical activity in the soap.
- 15 _____ is a trademark of the Magnaflux Corporation.
- 16 The scraper most frequently used is a _____, or a plastic card.
- 17 _____ keeps fresh cleaning solution moving past the soil to help it loosen.
- 18 The process of detecting cracks using a magnetic field is commonly referred to by the brand name _____.
- 3 The parts washer is usually equipped with a safety cover held open by a low-temperature _____.
- 4 ____-_____ testing is often used on pistons and other parts constructed of aluminum or other nonmagnetic material.
- 5 To be seen, _____ requires a black light.
- 6 Usually, there will be a layer of water over the chemical to prevent evaporation of the chemical, this water layer is called a _____.
- 8 The _____ is used to remove grease and carbon.
- 9 Because of environmental concerns, most chemical cleaning is now performed using water-based solutions called _____-_____ solutions.
- 10 _____ is when parts are cleaned by suspending in hot vapors above a perchloroethylene solution.
- 12 A hole can be drilled at each end of a crack to keep it from extending further, a step sometimes called _____.
- 13 A _____ oven cleans engine parts by decomposing dirt, grease, and gaskets with heat in a manner similar to that of a self-cleaning oven.

DOWN

- 1 _____ cleaning is used to clean small parts that must be absolutely clean, such as hydraulic lifters and diesel injectors.
- 2 A _____ directs streams of liquid through numerous high-pressure nozzles to dislodge dirt and grime on an engine surface.