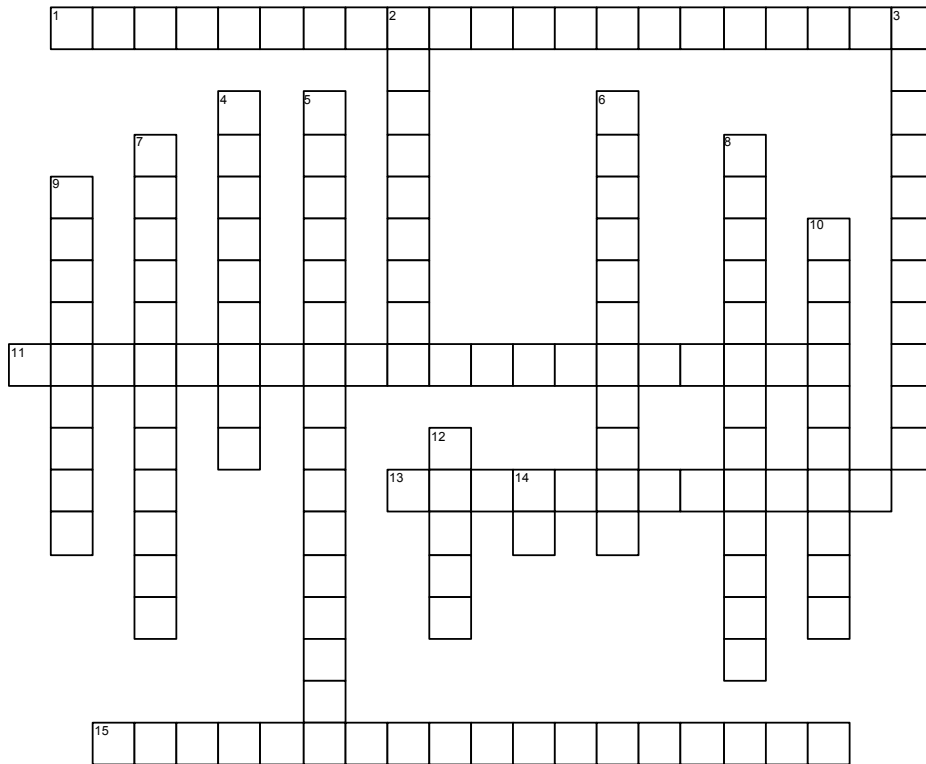


Engine Cleaning And Crack Detection

Chapter 29



<http://jameshaldeman.com>

ACROSS

- 1 Because of environmental concerns, most chemical cleaning is now performed using water-based solutions called _____ - _____.
- 11 To be seen, _____ requires a black light.
- 13 _____ testing is often used on pistons and other parts constructed of aluminum or other nonmagnetic material.
- 15 _____ is used to clean small parts that must be absolutely clean, such as hydraulic lifters and diesel injectors.

DOWN

- 2 _____ keeps fresh cleaning solution moving past the soil to help it loosen.
- 3 A _____ directs streams of liquid through numerous high-pressure nozzles to dislodge dirt and grime on an engine surface. □
- 4 Usually, there will be a layer of water over the chemical to prevent evaporation of the chemical, this water layer is called a _____.
- 5 Most chemical cleaners used for cleaning carbon-type deposits are strong soaps called _____.
- 6 The parts washer is usually equipped with a safety cover held open by a low-temperature _____.
- 7 The _____ is used to remove grease and carbon. □
- 8 _____ have pH numbers from 1 through 6.
- 9 A _____ oven cleans engine parts by decomposing dirt, grease, and gaskets with heat in a manner similar to that of a self-cleaning oven.
- 10 The scraper most frequently used is a _____, or a plastic card.
- 12 _____ is a trademark of the Magnaflux Corporation.
- 14 _____ value, measured on a scale from 1 to 14, indicates the amount of chemical activity in the soap.