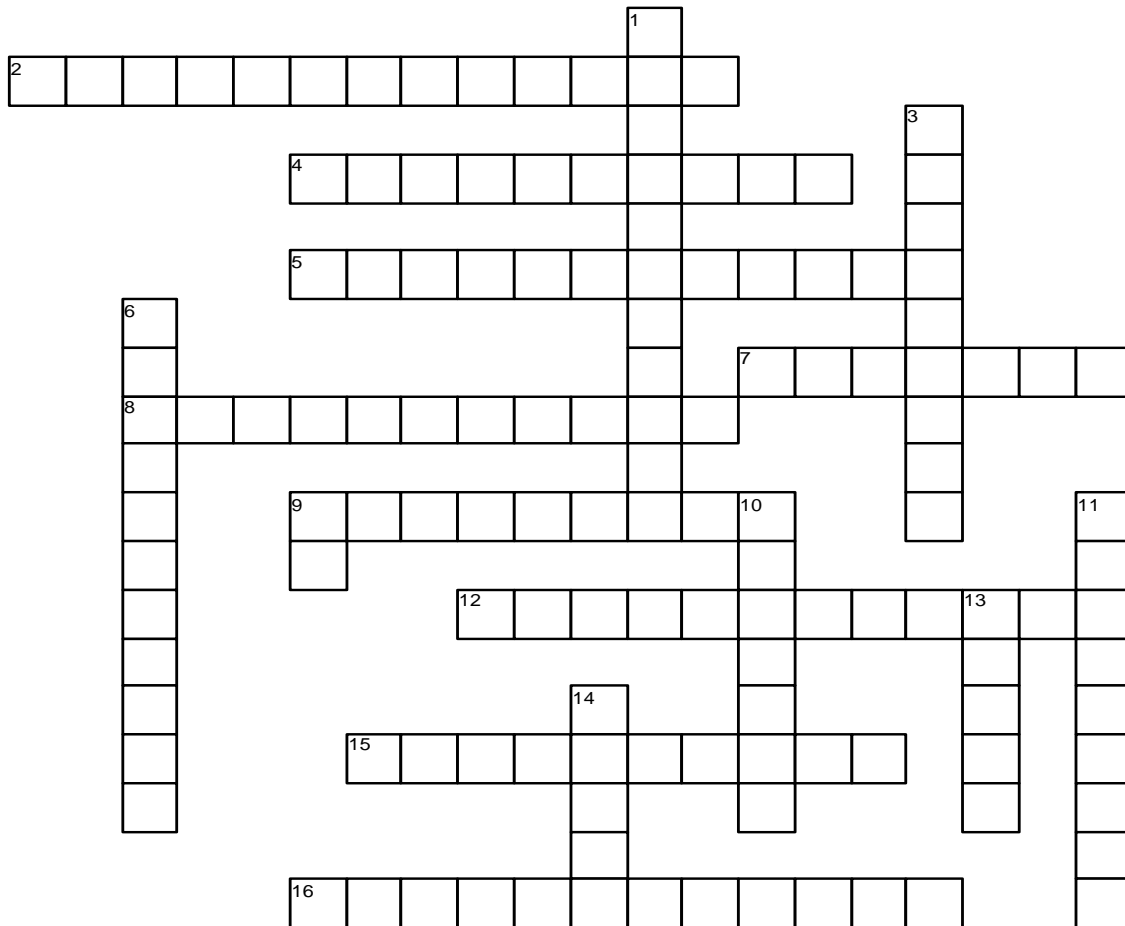


# Engine Cleaning And Crack Detection

## Chapter 26



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### ACROSS

- 2 \_\_\_\_\_ have pH numbers from 1 through 6.
- 4 \_\_\_\_\_ cleaning is used to clean small parts that must be absolutely clean, such as hydraulic lifters and diesel injectors.
- 5 \_\_\_\_-\_\_\_\_\_ testing is often used on pistons and other parts constructed of aluminum or other nonmagnetic material.
- 7 The \_\_\_\_ is used for cleaning heavy organic deposits and rust from iron and steel parts.
- 8 A \_\_\_\_\_ directs streams of liquid through numerous high-pressure nozzles to dislodge dirt and grime on an engine surface.
- 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.
- 12 Because of environmental concerns, most chemical cleaning is now performed using water-based solutions called \_\_\_\_\_-\_\_\_\_\_ solutions.
- 15 The scraper most frequently used is a \_\_\_\_\_, or a plastic card.
- 16 The \_\_\_\_\_ is used to remove grease and carbon.

### DOWN

- 1 To be seen, \_\_\_\_\_ penetrant requires a black light.
- 3 \_\_\_\_\_ keeps fresh cleaning solution moving past the soil to help it loosen.
- 6 The parts washer is usually equipped with a safety cover held open by a low-temperature \_\_\_\_\_.
- 9 \_\_\_\_ value, measured on a scale from 1 to 14, indicates the amount of chemical activity in the soap.
- 10 Most chemical cleaners used for cleaning carbon-type deposits are strong soaps called \_\_\_\_\_ materials.
- 11 Usually, there will be a layer of water over the chemical to prevent evaporation of the chemical, this water layer is called a \_\_\_\_\_.
- 13 In \_\_\_\_\_ cleaning, steam vapor is mixed with high-pressure water and sprayed on parts. The heat of the steam, plus the force of the high-pressure water, performs the actual cleaning.
- 14 \_\_\_\_\_ is a trademark of the Magnaflox Corporation.