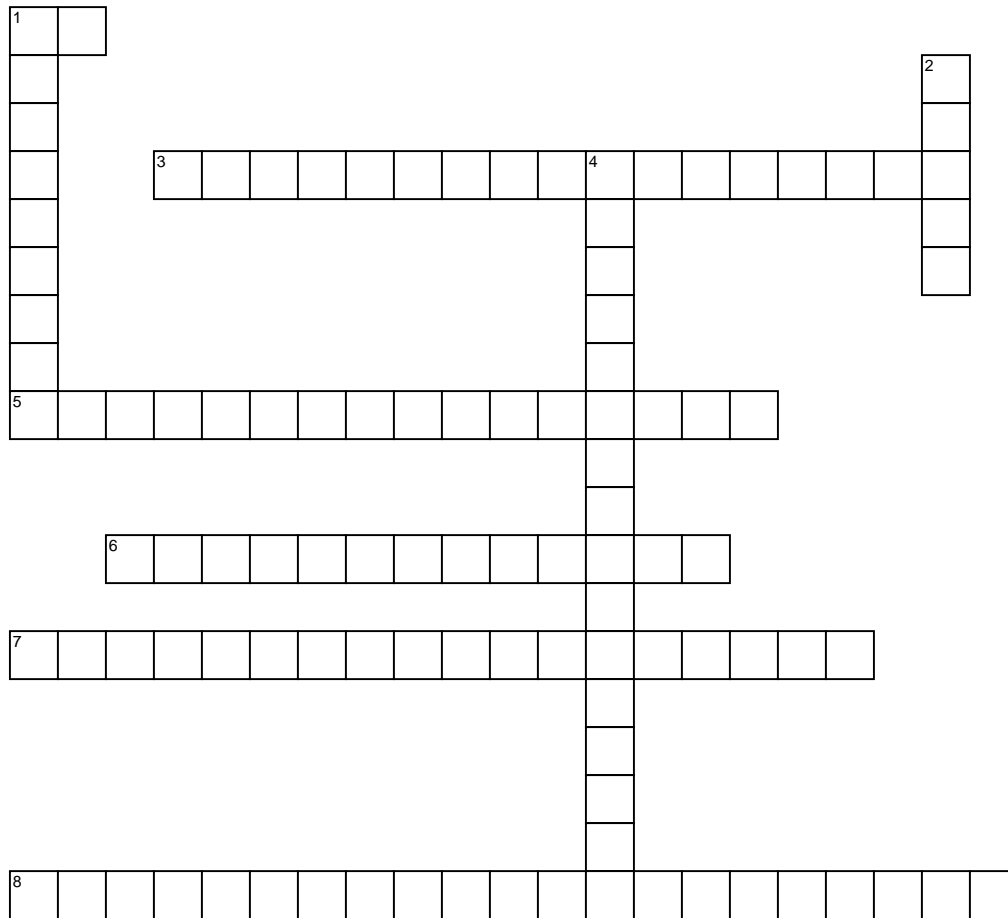


# Chapter 7

## Diesel Engine Disassembly, Cleaning and Crack Detection



### ACROSS

- 1 \_\_\_\_\_ is a term from the French pouvoir hydrogine, meaning "hydrogen power."
- 3 \_\_\_\_\_ is a cleaning method that uses microbes that are living organisms (single-celled bacteria) that literally "eat" the hydrocarbons (grease and oils) off of the parts being cleaned.
- 5 \_\_\_\_\_ have pH numbers from 8 through 14.
- 6 \_\_\_\_\_ are materials that have pH numbers from 1 through 6. The lower the number is, the stronger the acid action will be.
- 7 \_\_\_\_\_ is a method of cleaning where disassembled parts are placed in a tank of cleaning solution that is vibrated at ultrasonic speeds to loosen all the soil from the parts.
- 8 \_\_\_\_\_ are water-based solution in which silicate- based solutions and water are mixed.

### DOWN

- 1 \_\_\_\_\_ means High temperature.
- 2 \_\_\_\_\_ is a testing method, using fluorescent penetrant with a black light that shows up cracks on iron, steel, or aluminum parts.
- 4 \_\_\_\_\_ are materials that have pH numbers from 8 through 14. The higher the number is, the stronger the caustic action will be.