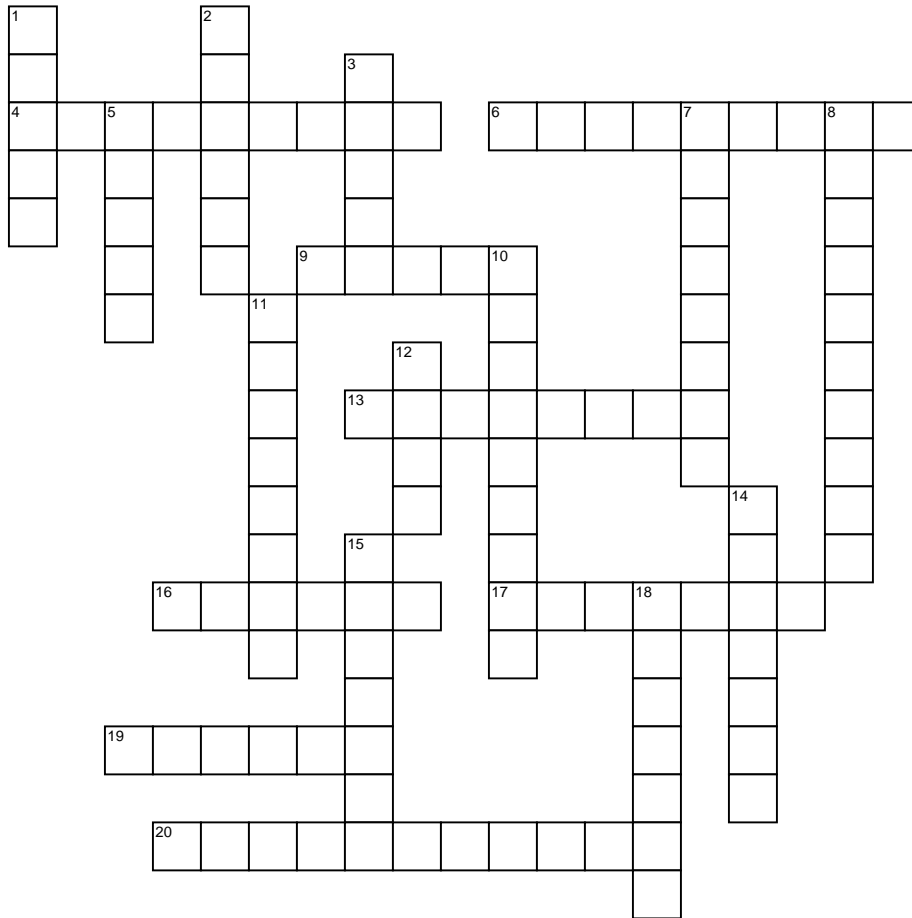


# Diesel Engine Operation



Puzzle by Tony and Lara Martin. [www.CrosswordWeaver.com](http://www.CrosswordWeaver.com)

## ACROSS

- 4 Used in diesel fuel to increase its performance
- 6 Used to spray fuel into the combustion chamber
- 9 Glow \_\_\_\_\_: used to aid starting of a cold engine
- 13 Diesel fuel is less \_\_\_\_\_ than gasoline
- 16 A diesel engine does not create \_\_\_\_\_ in the intake manifold
- 17 Percentage of light that is blocked by the exhaust smoke
- 19 High pressure fuel lines must all be the same \_\_\_\_\_
- 20 Diesel engines use the heat of \_\_\_\_\_ to ignite the fuel

## DOWN

- 1 Color of diesel smoke generated by incomplete combustion
- 2 A rating based on how easily the fuel can be ignited
- 3 APP: Accelerator \_\_\_\_\_ Position sensor
- 5 Fuel injection begins, but ignition has not yet started
- 7 Common rail injectors are \_\_\_\_\_ - controlled
- 8 Glow plugs increase their \_\_\_\_\_ as temperature increases
- 10 Used to remove water from the diesel fuel
- 11 All \_\_\_\_\_ injection engines use glow plugs
- 12 Diesel engines are harder to start in \_\_\_\_\_ weather
- 14 A pop tester is used to check injector spray \_\_\_\_\_
- 15 Causes acid rain
- 18 White smoke can be caused by \_\_\_\_\_ leaking into the combustion chamber