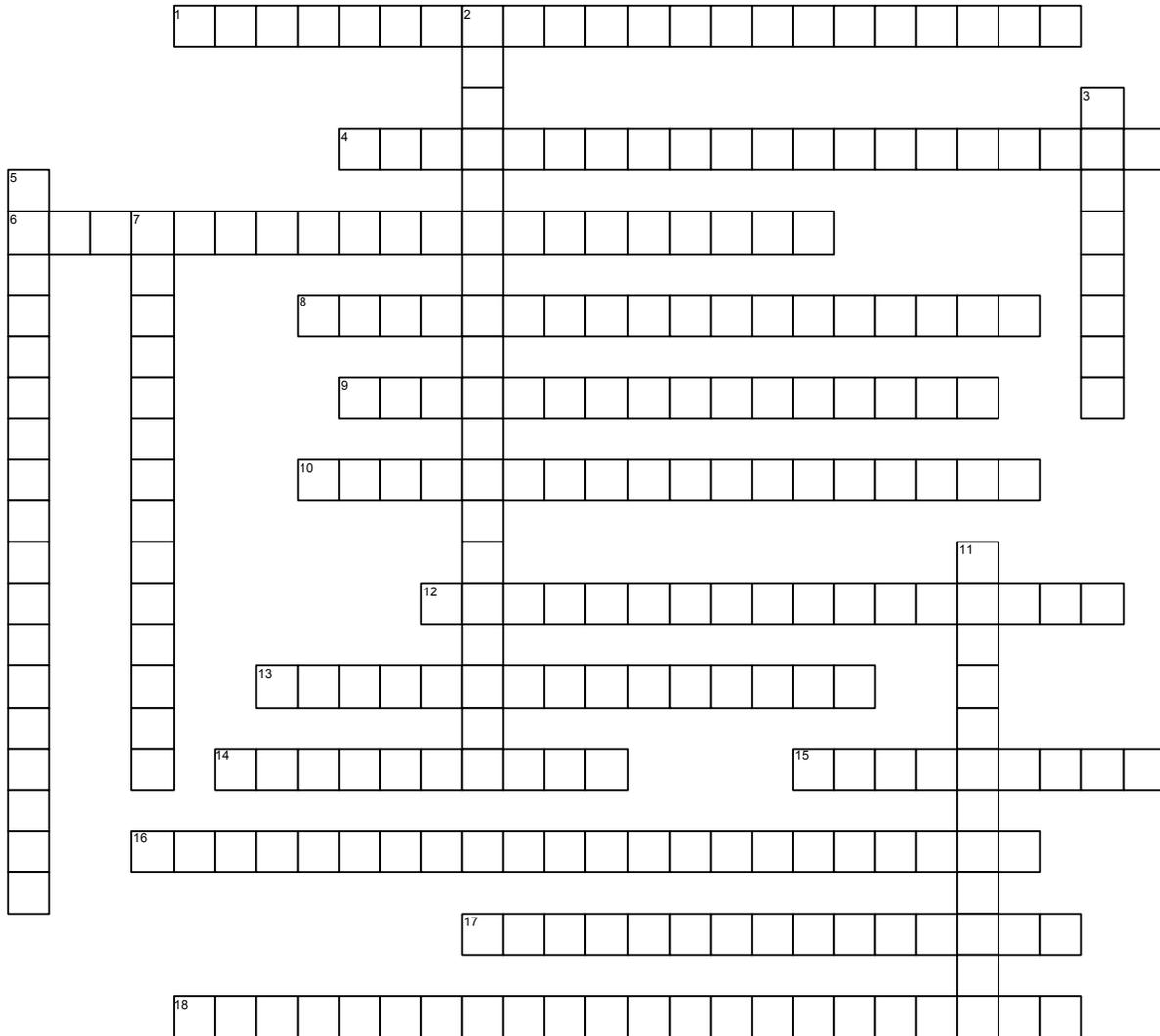


Engine Condition Diagnosis

Chapter 20



<http://jameshaldeman.com>

ACROSS

- 1 A _____ is done with the engine running rather than during engine cranking as is done in a regular compression test.
- 4 Performing _____ by the color of the engine exhaust smoke can indicate what engine problem might exist.
- 6 During an _____, an engine knocking noise is often difficult to diagnose.
- 8 _____ can indicate if main thrust or rod bearings are worn.
- 9 The purpose of a cylinder _____ is to determine if all cylinders are contributing power equally.
- 10 A _____ is a quick and easy test to determine if the piston rings and valves are properly sealing.
- 12 If you have a _____, the engine will be low on power, yet smooth.
- 13 An engine _____ is one of the fundamental engine diagnostic tests that can be performed.
- 14 During a _____, the results can be measured in millimeters of mercury.
- 15 A soundly running engine should produce even and steady exhaust at the tailpipe, you can test this with the _____.
- 16 Another name for a running compression test is a _____.
- 17 Vacuum is pressure below atmospheric pressure and is measured in _____.
- 18 During an _____, a clogged catalytic converter could be found to be present.

DOWN

- 2 One of the best tests that can be used to determine engine condition is the _____.
- 3 _____ can lead to severe engine damage if the resulting low oil level is not corrected.
- 5 If the compression test reading indicates low compression on one or more cylinders, add three squirts of oil to the cylinder and retest, this is called a _____.
- 7 During an _____, an engine in proper condition should idle with a steady vacuum between 17 and 21 in. Hg.
- 11 If the exhaust system is restricted, pressure increases in the exhaust system, this pressure is called _____.