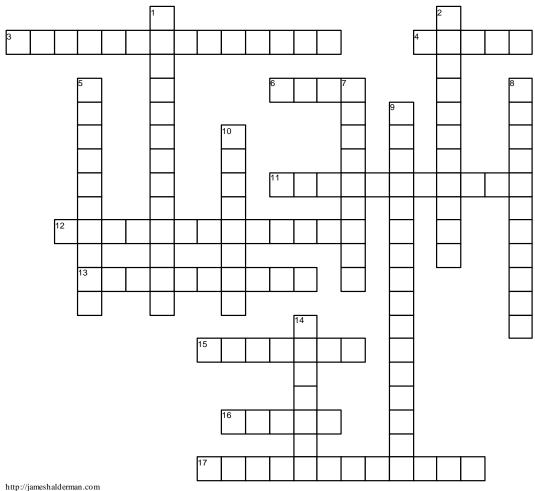
## **Engine Antifreeze and Coolant**

Chapter 17



## **ACROSS**

3	All manufacturers recommend the use of
	based coolant.
4	is half of the coolant and can have an effect on
	the corrosion protection of coolant due to variations in
	its quality, which is often unknown.
6	is similar to the OAT-type antifreeze as it uses
	organic acid salts that are not abrasive to water pumps,
	y et provide the correct pH.
11	is a chemical reaction that takes place
	between coolant additives and the metal that it protects.
12	A is a tester used to test the freezing
	point of coolant by placing a few drops of coolant on the
	prism surface.
13	coolant has a small amount of a substance
	that makes it taste bitter and therefore not appealing to
	animals.
15	, developed by Havoline, is just one brand of
	OAT coolant, which has been used in GM vehicles
	since 1996.
16	is used in Mazda-based Fords, same as Mazda

	FL-22, and is ethylene glycol based.	
17	requires the use of an outside voltage	
	source.	
DOWN		
1	technology is conventional coolant	
	that has been used for over 50 years.	
2	is a chemical reaction that takes place	
	between coolant additives and the metal that it protects	
5	The measures the density of the coolant.	
7	When testing for pH, use either a or a pH	
	meter.	

as a result of two different metals in a liquid, which acts like a battery. 10 When measuring for acidity or alkalinity a power of

8 \_\_\_\_\_ technology coolant contains ethylene

gly col, but does not contain silicates or phosphates. \_\_\_\_\_ is the flow of an electrical current

or PH scale is utilized. 14 \_\_\_\_\_ is used in the cooling system due to the fact that it will transfer heat from the engine to the radiator.

