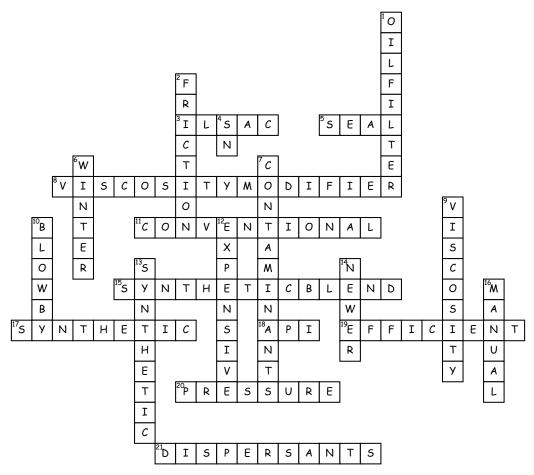
## Ch 10 Lubrication System



## <u>Across</u>

3. develops standards for

gasoline fueled engine oils.

5. The purpose of engine oil is to cool, clean and

8. This oil additive prevents oil from getting too thin.

11. Oil with varied molecular structure.

**15**. This type of oil is a combination of synthetic and conventional oil.

17. Oil with consistent (same)molecular

structure.

18. \_\_\_rates the engine oil.

Word Bank

19. By lowering the friction, the engine becomes more \_

20. If the oil warning light comes on it means the engine has low or no oil \_\_\_\_\_ and shut the car off.

**21**. This type of engine oil additive keeps contaminants suspended and helps prevent sludge from forming.

## Down

- 1. When installing an \_\_\_\_\_\_ tighten it 1/2 to 1 full turn.
- 2. What is the force that resists motion between two objects?
- 4. What is the current API rating?
- 6. What type of weather temp does the W
- stand for in 5W-20?
- 7. Oil filters remove \_\_
- oil.
- 9. What is the resistance to flow?

10. What is it called when gas escapes past the piston rings and into the crank case?

12. Is synthetic oil cheaper or more expensive than conventional oil?

13. The type of oil has fewer impurities, better lubrication, reduces sludge and protects at high temps.

14. Most \_vehichles have an oil monitoring system.

16. Refer to the owner's \_\_\_\_\_for oil recommendations.

- pressure synthetic expensive API synthetic blend viscosity modifier oil filter blow by SN contaminants dispersants manual newer
- ILSAC viscosity synthetic friction

from the

efficient winter conventional seal