

Name: \_\_\_\_\_

NATOPS QUIZ - #3

Chapter 2 Systems (2.2, 2.4, 2.5, 2.6,)

1. The engine lubricating system is a \_\_\_\_\_ - \_\_\_\_\_ with an external \_\_\_\_\_ and \_\_\_\_\_.
2. The system pressure is adjusted to a maximum of \_\_\_\_\_ PSI by the pressure regulating valve.
3. The oil cooling fan provides cooling air for the:
  - \_\_\_\_\_
  - \_\_\_\_\_
  - \_\_\_\_\_
4. The sprag clutch allows the main transmission and tail rotor driveshaft to \_\_\_\_\_ to \_\_\_\_\_ when the engine \_\_\_\_\_ rpm falls below the \_\_\_\_\_ driveshaft rpm.
5. Each blade is twisted \_\_\_\_\_ degrees, having more pitch at the \_\_\_\_\_ than at the \_\_\_\_\_ in order to achieve a more even \_\_\_\_\_ distribution of \_\_\_\_\_.
6. \_\_\_\_\_ change \_\_\_\_\_ lead the blades by \_\_\_\_\_ degrees to allow for \_\_\_\_\_.
7. T/F: The blades independently flap in a semi-rigid system.
8. The tail rotor driveshaft consists of \_\_\_\_\_ sections connected by \_\_\_\_\_ that provide for driveshaft \_\_\_\_\_ and \_\_\_\_\_.
9. The Rotor rpm Indicator is mounted on the \_\_\_\_\_ reservoir housing and driven by the \_\_\_\_\_ accessory \_\_\_\_\_.
10. Normal operation of the rotor brake is indicated with a constant pressure of \_\_\_\_\_ to \_\_\_\_\_ psi, when engaged.
11. The two-stage \_\_\_\_\_ transmission provides a gear reduction of \_\_\_\_\_ to \_\_\_\_\_.
12. The transmission oil pump also furnishes oil for the lubrication of the \_\_\_\_\_ that is mounted on the engine accessory gear case.
13. The Transmission Oil Pressure caution light illuminates when transmission pressure falls below \_\_\_\_\_ +/- \_\_\_\_\_ psi.