

# Oil Leak Diagnosis

**Meets NATEF Task:** (A1-A-3) Inspect engine assembly for fuel, oil, coolant, and other leaks; determine necessary action. (P-1)

Name \_\_\_\_\_ Date \_\_\_\_\_ Time on Task \_\_\_\_\_

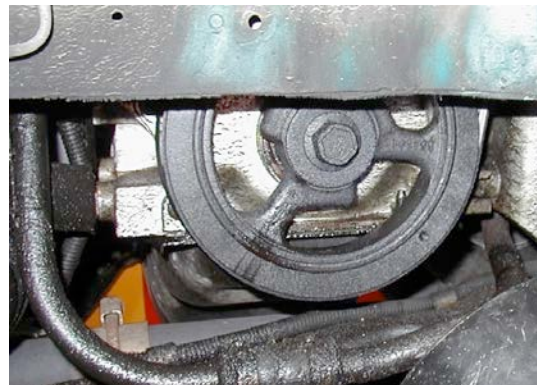
Make/Model/Year \_\_\_\_\_ VIN \_\_\_\_\_ Evaluation: 4 3 2 1

Engine oil is usually amber in color when new, but quickly becomes darker and often black when used in an engine.

\_\_\_\_\_ 1. Raise the hood and carefully inspect the areas where oil is likely to leak including:

- valve covers                                    – OK \_\_\_\_\_ NOT OK \_\_\_\_\_
- intake manifold area                        – OK \_\_\_\_\_ NOT OK \_\_\_\_\_
- oil pressure-sending unit                 – OK \_\_\_\_\_ NOT OK \_\_\_\_\_

\_\_\_\_\_ 2. Safely hoist the vehicle and carefully inspect the underneath of the engine.



\_\_\_\_\_ 3. Where is the highest, most forward area of the leak? (describe) \_\_\_\_\_

\_\_\_\_\_ 4. If the exact location cannot be located, lower the vehicle and add fluorescent dye to the engine oil. Drive the vehicle for 10 to 15 minutes and hoist the vehicle.

\_\_\_\_\_ 5. Using black light, locate the area of the leak by looking for the yellow/green areas highlighted by the dye. Describe the leak location: \_\_\_\_\_

\_\_\_\_\_ 6. Based on the test results, what is the necessary action? \_\_\_\_\_