

Fluid Leakage Diagnosis

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

Name _____ Date _____ Time on Task _____

Make/Model/Year _____ VIN _____ Evaluation: 4 3 2 1

Fluid colors include the following:

- **red** – automatic transmission fluid (also could be in some cooling systems)
- **green** – antifreeze coolant
- **orange** – antifreeze coolant
- **blue** – antifreeze coolant or windshield washer fluid
- **yellow** – windshield washer fluid
- **clear** – condensation from the air-conditioning system (normal)

- _____ 1. Safely hoist the vehicle and carefully inspect the underneath of the vehicle.
- _____ 2. Where is the highest, most forward area of the leak? (describe) _____

- _____ 3. If the exact location cannot be located, lower the vehicle and add fluorescent dye to the unit believed to be leaking oil. Drive the vehicle for 10 to 15 minutes and hoist the vehicle.
- _____ 4. Using black light, locate the area of the leak by looking for the yellow/green areas highlighted by the dye. Describe the leak location: _____

- _____ 5. Based on the inspection for oil leaks, what is the necessary action? _____

