**Sea Venture**

 **Cruising Engine Room Checklist**

**PUT ON EAR PROTECTION BEFORE PROCEEDING**

1. Check for unusual smells? – Diesel Fuel?
2. Visually inspect engines, oil filters, hoses and drip pads for unusual amounts of oil, fuel or water.
3. Check oil pressure – (port side of each engine) – Standard readings are 40-60 PSI
4. Check Racor Fuel vacuum gauges, should be 0-2. (pointing straight up)
5. Check the engine belts for smooth operation.
6. Check stuffing boxes, where shaft goes through the hull, should be spinning freely with no drips, leaks, or unusual vibrations.
7. Check engine temperature. You can place your hand on the front portion of the exhaust manifold and compare the two engines. It should not be too warm to rest your hand on the manifold.
8. If needed, check engine temperature with laser heat gun. Using the temperature pointer start at the front of the exhaust manifold, where you placed your hand in step 7 and, standing in front of the engine, run the laser from the front to the back, ending at the exhaust elbow. The temperature will be about 130 degrees at the front and gradually decrease to 95 degrees at the elbow.
9. Check engine cooling system overflow tanks. They should have some green water in them.
10. Check:
11. The fresh water pump and plumbing, in front of the port engine, for leaks or drips.
12. The cruise air units and water pump for leaks.
13. The electrical panel for anything unusual.
14. Check engine room temperature. Digital temperature gauge is in the upper port side corner of the electrical panel. It should be 100 degrees or less, depending in part on the outside temperature.