

## **MAHINA EXPEDITIONS      DIESEL ENGINE TEST**

1. What manuals should you carry aboard?
2. What are the three most important things a diesel engine needs to run?
3. When is the best time to change the oil in a marine diesel?
4. Names as many things as possible that could cause a marine diesel to overheat.
5. The engine suddenly stops. What wrong?
6. You just put the engine in reverse and it suddenly over-revs. What's wrong?
7. How can you tell when batteries need to be replaced?
8. What could cause batteries to not charge correctly when the engine is running?
9. What type of batteries are the best for extended cruising away from shore power and why?
10. How frequently should you visually check your engine room when motoring, and what should you check for?
11. What could be the reasons for an engine to be losing coolant fluid?
12. What are the symptoms of seawater in engine oil and where could it be coming from?  
In transmission fluid?
13. What things should be inspected or adjusted annually on a marine diesel?
14. If you are planning an 18 month cruise, what engine supplies and tools would you carry?
15. What is the purpose of an engine log?
16. Name the engine gauges
17. What is important during Start up?  
Throttle adjustment?  
Shut off?
18. How do you take care of your fuel and tanks? And why?