<ol> <li>141</li> <li>A hydraulic accumulator is designed to</li> <li>A. store fluid under pressure</li> <li>B. act as a fluid reservoir</li> </ol>	Ref: Engine, Accumulator C. provide overpressure relief D. replenish fluid to a system	A
<ul> <li>2. 914</li> <li>Diesel engines obtain combustion air through turbo cha</li> <li>A. air starters</li> <li>B. carburetors</li> </ul>	Ref: Engine, Air	С
<ul><li>3. 3640</li><li>What is the function of an air receiver in the compresse</li><li>A. Condenses moisture</li><li>B. Provides overpressure protection</li></ul>	Ref: Engine, Air ed air system? C. Purifies the air D. Acts as an accumulator	D
<ul><li>4. 3708</li><li>What is the most probable cause of reduced capacity in</li><li>A. Carbon on cylinder heads</li><li>B. Faulty unloader</li></ul>	Ref: Engine, Air n a reciprocating air compressor? C. Leaking air valves D. Plugged air cooler	С
<ul> <li>5. 1453</li> <li>In battery charging rooms, exhaust ventilation should b</li> <li>A. at the lowest point</li> <li>B. near the batteries</li> <li>C. at the highest point</li> <li>D. only when charging is in progress</li> </ul>	Ref: Engine, Battery e provided	С
<ul> <li>6. 2076</li> <li>Spaces containing batteries require good ventilation be</li> <li>A. ventilation avoids CO2 buildup</li> <li>B. ventilation supplies extra oxygen for the battery</li> <li>C. ventilation avoids flammable gas accumulation</li> <li>D. less water would be used</li> </ul>	Ref: Engine, Battery ecause	С
<ul> <li>7. 2077</li> <li>Spaces containing batteries require good ventilation be</li> <li>A. ventilation avoids CO2 build up</li> <li>B. ventilation supplies extra oxygen for charging the b</li> <li>C. ventilation avoids flammable gas accumulation</li> <li>D. less electrolyte is required to maintain the batteries</li> </ul>	pattery	С
<ul> <li>8. 2100</li> <li>Storage batteries should be charged in a well ventilated</li> <li>A. they generate heat</li> <li>B. they emit hydrogen</li> <li>C. of the toxic fumes they emit</li> <li>D. they recharge faster in a well ventilated space</li> </ul>	Ref: Engine, Battery d area because	В
9. 2134 The accumulation of dangerous fumes generated by th	Ref: Engine, Battery te storage batteries is best prevented by	С
<ul> <li>A. covering the batteries in a nonconducting, solid end</li> <li>B. mounting the batteries in a position as high as in a</li> <li>C. natural or mechanical ventilation</li> <li>D. securing the batteries to vibration reducing mounting</li> </ul>	position as high as possible	A DODO DO D
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10. 2904	Ref	: Engine, Battery	D
<ul><li>The primary reason for placing covers over storage batter</li><li>A. prevent the accumulation of explosive gases</li><li>B. protect the hull from leaking electrolyte</li><li>C. prevent movement of the battery in rough waters</li><li>D. protect against accidental shorting across terminals</li></ul>			
<ul><li>1435</li><li>In a water tube marine boiler, what protects the superheat</li><li>A. Water-wall tubes</li><li>B. Downcomers</li></ul>	ater C.	: Engine, Boiler tubes from the fires of combustion? Screen tubes Water drums	С
In a water-tube marine type boiler, after the steam leaves is temperature of the steam increased? A. Mud drum	s the C.	Economizer	В
B. Superheater	D.	Firebox	
13. 2178 The brickwork surrounding the firebox of a boiler is know	n as		А
A. refractory B. the screen wall		the water wall fire plate	
	D.	ine plate	
<ul> <li>14. 3522</li> <li>What does blowing tubes accomplish?</li> <li>A. Eliminates unburned fuel oil residues from the firebox</li> <li>B. Increases boiler efficiency</li> <li>C. Flushes away mineral deposits inside the water tubes</li> <li>D. Cleans soot deposits from the inside of the stack</li> </ul>	x	: Engine, Boiler	В
15. 3558	Dof	: Engine, Boiler	D
What is an advantage of a steam turbine over a diesel fo A. Faster response from ahead to astern	r the C.	e main propulsion? Cheaper initial installation cost	D
B. Less fuel consumption	D.	Less weight per unit of horsepower	
<ul> <li>16. 3578</li> <li>What is NOT a function of the steam drum of a marine way</li> <li>A. Receives saturated steam from the generating tubes</li> <li>B. Serves as a reservoir of boiler feed water</li> <li>C. Holds internal fittings for separation of moisture from</li> <li>D. Collects steam exhausted from the turbines</li> </ul>	ater		D
17. 31	Ref	: Engine, Carburetor	В
A carburetor is required to have a safety device called a(	n) _		_
<ul><li>A. pressure release</li><li>B. backfire flame arrestor</li></ul>		automatic shut off flow valve	
18. 781 Backfire flame arrestors are installed on	Ref	: Engine, Carburetor	С
A. fuel tanks		carburetors	
B. spark plugs	D.	distributors	
On small passenger vessels what device must you instal		: Engine, Carburetor der carburetors, other than the downdraft	A
type, to allow ready removal of fuel leakage? A. A drip collector	C.	A sponge	000° 1 022,5°
B. A funnel and a tin can		Suitable absorbent material	GPS

<ul><li>20. 2189</li><li>The carburetor is placed on the engine to</li><li>A. distribute the gasoline</li><li>B. mix the fuel and air</li></ul>	Ref: Engine, Carburetor C. properly lubricate the engine D. assist in priming the cylinders	В
<ul><li>21. 3465</li><li>Vessels required to be equipped with an approved back</li><li>A. those with diesel engines</li><li>B. all those with gasoline engines</li></ul>	· · · · · · · · · · · · · · · ·	В
<ul> <li>22. 622</li> <li>Air-cooled gasoline auxiliary engines are allowed on vermore than 12 passengers if</li> <li>A. it is not practicable to supply water to the engine</li> <li>B. they have a self-contained fuel system and are instance.</li> <li>C. they are rated at not more than 4.5 horsepower</li> <li>D. All of the above</li> </ul>		В
<ul> <li>23. 1297</li> <li>If an engine shuts down due to high jacket water tempe</li> <li>A. Open crankcase explosion covers</li> <li>B. Allow engine to cool gradually</li> <li>C. Slowly add cool water to the expansion tank</li> <li>D. Back flush the cooling water system</li> </ul>	Ref: Engine, Cooling rature, what action should be taken?	В
<ul> <li>24. 1859</li> <li>On small passenger vessels which parts of a water-coo jacketed and cooled?</li> <li>A. The engine's head</li> <li>B. The block</li> <li>C. The exhaust manifold</li> <li>D. All of the above</li> </ul>	Ref: Engine, Cooling led gasoline or diesel engine must be water-	D
<ul> <li>25. 1863</li> <li>On small passenger vessels, cooling water for the exhabe</li> <li>A. obtained from the engine's cooling water system or B. chemically treated to prevent corrosion</li> <li>C. flushed and changed periodically</li> <li>D. obtained from a fresh water storage tank or an expansion</li> </ul>	from a separate engine-driven pump	A
<ul> <li>26. 2811</li> <li>The most serious effect of air trapped in a non-treated of a construction.</li> <li>A. causes corrosion</li> <li>B. reduces the ability of the system to cool the engine</li> <li>C. can form pockets which block the flow of coolant the</li> <li>D. accelerates formation of metal plating</li> </ul>		A
<ul> <li>27. 2812</li> <li>The most serious effect of oxygen retained in a diesel e</li> <li>A. causes corrosion</li> <li>B. reduces the effectiveness of the coolant</li> <li>C. can form air pockets which exclude coolant contact</li> <li>D. accelerates formation of hydrogen peroxide deposit</li> </ul>	with hot surfaces	A D <sup>o o</sup>
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Deck Safety	E	INGINE SYSTEM
<ul> <li>28. 2813</li> <li>The most serious effect of trapped air in a diesel engine</li> <li>A. accelerates erosion</li> <li>B. reduces the effectiveness of chromate additives</li> <li>C. can form pockets of high chemical concentrates</li> <li>D. accelerates formation of sludge deposits</li> </ul>	Ref: Engine, Cooling e jacket water cooling system is that it	A
<ul><li>29. 3536</li><li>What factor is essential to the proper operation of a rad</li><li>A. Cooling water pressure</li><li>B. Jacket water treatment</li></ul>	Ref: Engine, Cooling liator cooled engine? C. Air flow through the radiator D. Low heat of combustion	С
<ul> <li>30. 4125</li> <li>When water-cooled engines are installed on small pass</li> <li>A. pump must operate whenever the engine is operatin</li> <li>B. must have a suitable hull strainer in the raw water in</li> <li>C. may use a closed fresh water system</li> <li>D. All of the above</li> </ul>	ng	D
<ul> <li>31. 624</li> <li>All diesel engines are classified as</li> <li>A. four cycle</li> <li>B. compression ignition</li> </ul>	Ref: Engine, Diesel C. vacuum ignition D. external combustion	В
<ul> <li>32. 633</li> <li>All marine low-speed diesels are of what design?</li> <li>A. Four-stroke</li> <li>B. Two-stroke</li> </ul>	Ref: Engine, Diesel C. Electronic ignition D. Forced exhaust	В
<ul> <li>33. 913</li> <li>Diesel engines are considered safer than gasoline engines.</li> <li>A. they are more heavily built</li> <li>B. the fuel used is less volatile</li> </ul>	Ref: Engine, Diesel nes because C. they can be easily reversed D. they operate at a lower speed	В
<ul> <li>34. 962</li> <li>Each cylinder in a two stroke cycle engine experiences</li> <li>A. once each crankshaft revolution</li> <li>B. twice each crankshaft revolution</li> </ul>	Ref: Engine, Diesel combustion C. every other crankshaft revolution D. every fourth stroke	A
<ul> <li>35. 1139</li> <li>Generally speaking, the fuel injected into a marine diese</li> <li>A. spark plugs</li> <li>B. glow plugs</li> <li>C. heat of compression</li> <li>D. a magneto</li> </ul>	Ref: Engine, Diesel	C I by
<ul> <li>36. 1177</li> <li>How does combustion air enter the cylinder of a two-cyc</li> <li>A. Cylinder head valves</li> <li>B. Ports</li> </ul>	Ref: Engine, Diesel cle diesel engine? C. Turbo chargers D. Bleeder valves	В
<ul> <li>37. 1263</li> <li>How should you warm up a diesel engine that has not b</li> <li>A. Run it at minimum speed until warmed to operating</li> <li>B. Idle for a brief period of time and then warm up at h</li> <li>C. Bring it up to top speed immediately and run until w</li> </ul>	temperature. half speed. varmed up.	B
D. Inject ether into the air intake to shorten warm up tir		Close of the second sec

⊦ ₽	<ul> <li>8. 1265</li> <li>low would the exhaust of a properly operating diesel end</li> <li>a. Light blue haze</li> <li>b. Light brown haze</li> </ul>	gine C.	: Engine, Diesel appear? Light gray haze Perfectly clear	D
lf A E C	<ol> <li>9. 1363</li> <li>you are unable to stop a diesel engine by any other me</li> <li>discharge a CO2 extinguisher in the air inlet</li> <li>pull off the distributor cap</li> <li>secure the jacket water</li> <li>secure the starting air supply valve</li> </ol>		: Engine, Diesel , you should	A
L A	<ul> <li>0. 1659</li> <li>ubricating oil should be changed on a heavy duty diese</li> <li>it gets dark in color</li> <li>a sample rubbed between fingers feels thin</li> </ul>	l enę C.	: Engine, Diesel gine when it has been in use for a specified interval it no longer supports combustion	С
N A	<ol> <li>1675</li> <li>Most medium and slow speed diesels are started by what the starting motors</li> <li>Electric starting motors</li> <li>Hydraulics</li> </ol>	t me C.	: Engine, Diesel edium? Compressed air Ether	С
	<ol> <li>1930</li> <li>One major disadvantage of a low-speed diesel as compared</li> </ol>		: Engine, Diesel to a steam main-propulsion system is	В
E C	<ul> <li>the extra weight required for the diesel reduction gea</li> <li>a minimum speed for the engines that limits the mining</li> <li>the higher fuel consumption per SHP</li> <li>the low efficiency of the system when a controllable per section of the system when a controllable per section.</li> </ul>	mun	n speed of the vessel	
C A	<ol> <li>1943</li> <li>Overspeed of the diesel engine driving an electric general.</li> <li>Iow voltage trip</li> <li>reverse power trip</li> </ol>	ator C.	: Engine, Diesel could cause damage to windings excessive exhaust temperatures	С
C A	<ul> <li>4. 1944</li> <li>Overspeed of the diesel engine driving an electric general</li> <li>a. low voltage trip</li> <li>b. reverse power trip</li> </ul>	ator C.		С
S A	<ol> <li>2110</li> <li>5. 2110</li> <li>5. a diesel engine can cause</li> <li>6. decreased fuel efficiency</li> <li>6. increased exhaust temperature</li> </ol>	C.	: Engine, Diesel black smoke overspeed trip	D
Т	6. 2924 he quickest method to stop a small diesel engine whose		: Engine, Diesel ottle or governor has become stuck open is	С
Α	drain the fuel tank turn off the ignition switch		close the fuel supply valve apply the shaft brake	
V A	<ul> <li>7. 3509</li> <li>Vhat condition will result in the automatic shutdown of a</li> <li>a. High jacket water pressure</li> <li>b. High lube oil pressure</li> </ul>	dies C.	: Engine, Diesel sel engine? Low lube oil pressure Excessive turbo charger speed	C

<ul><li>48. 3520</li><li>What does a pyrometer measure on a diesel engine?</li><li>A. Water temperature</li></ul>	Ref: Engine, Diesel C. Exhaust temperature	С
<ul> <li>B. Water pressure</li> <li>49. 3559</li> <li>What is an advantage of diesel over steam turbine prop</li> <li>A. Less fuel consumption per SHP</li> <li>B. Diesel fuel costs less than bunker C or its equivaler</li> <li>C. Less routine maintenance required</li> <li>D. Less weight per SHP</li> </ul>	D. Air box pressure Ref: Engine, Diesel ulsion?	A
<ul><li>50. 3593</li><li>What is one effect of running a diesel engine at too coo</li><li>A. Buildup of sludge in the lubricating system</li><li>B. Excessive fuel consumption</li></ul>	Ref: Engine, Diesel l a temperature? C. Severe heat stresses on mechanical parts D. Foaming of the lubricating oil	A
<ul><li>51. 3635</li><li>What is the effect of heated intake air on a diesel engine</li><li>A. Increases efficiency</li><li>B. Increases engine horsepower</li></ul>	Ref: Engine, Diesel e? C. Increases engine life D. Reduces engine horsepower	D
<ul><li>52. 3740</li><li>What is the purpose of the intake/exhaust valves in a di</li><li>A. They regulate the combustion cycle.</li><li>B. They supply cooling water.</li></ul>	Ref: Engine, Diesel esel engine? C. They synchronize the ignition spark. D. They supply and regulate the lubricant flow.	A
<ul><li>53. 3786</li><li>What monitoring device best indicates the load being ca</li><li>A. Lube oil pressure gauge</li><li>B. Jacket water temperature gauge</li></ul>	Ref: Engine, Diesel arried by a diesel engine? C. Tachometer D. Exhaust pyrometer	D
<ul><li>54. 3817</li><li>What quality of a diesel fuel is most significant for efficie</li><li>A. Volatility</li><li>B. Viscosity</li></ul>	Ref: Engine, Diesel ent combustion? C. Flash point D. Specific heat	A
<ul> <li>55. 3715</li> <li>What is the operating principal of a flash type evaporate</li> <li>A. Sea water is heated to boiling temperature under a</li> <li>B. Sea water is passed over heated plates in a thin film</li> <li>C. Heated sea water is injected into a vacuum chambe</li> <li>D. Sea water is forced through a heated eductor.</li> </ul>	vacuum. n.	С
<ul> <li>56. 2569</li> <li>The exhaust pipe must be gas tight throughout its entire</li> <li>A. bilge water may enter the exhaust pipe</li> <li>B. entry of air may cause vapor lock</li> <li>C. carbon monoxide may enter the interior of the vesse</li> <li>D. the joint gaskets may be blown</li> </ul>		С
<ul><li>57. 3856</li><li>What would white exhaust smoke from a diesel engine</li><li>A. Late fuel injection</li><li>B. Excess combustion air</li></ul>	Ref: Engine, Exhaust probably mean? C. High compression temperature D. Excessive lube oil consumption	A and a set of the set

Deck Safety	ENGINE SYS	TEM
<ul> <li>58. 4293</li> <li>Which is/are required for engine exhaust pipe installation</li> <li>A. Protection where people or equipment can contact</li> <li>B. Piping must be arranged so that water backflow ca</li> <li>C. Dry exhaust pipe ending at the transom should be</li> <li>D. All of the above</li> </ul>	the pipe. Innot reach the engine exhaust ports	D
<ul> <li>59. 282</li> <li>A safe fuel system must</li> <li>A. prevent engine overheating</li> <li>B. have proper air/gasoline fuel mixture ratio</li> </ul>	Ref: Engine, Fuel C. be liquid- and vapor-tight D. supply sufficient air to the intake manifold	С
60. 765 At a refueling area or fuel facility, smoking or any flame A. within 50 feet B. anywhere on the helodeck	Ref: Engine, Fuel e or spark is prohibited C. during refueling operations D. within 100 feet	A
<ul> <li>61. 1136</li> <li>Gasoline tanks should be filled</li> <li>A. to the top to expel all vapors from the tanks</li> <li>B. to the top so the operator is certain how much fuel</li> <li>C. with only sufficient fuel for the planned trip so exce</li> <li>D. to near the top with some space allowed for gasoling</li> </ul>	ss gasoline is not carried	D
62. 1660 Maintaining good working order of fuel pumps and inject	Ref: Engine, Fuel ctors in auxiliary diesel engines requires the use of	D
<ul><li>A. fuel/water separators</li><li>B. day tanks</li></ul>	C. an injector test stand D. fuel filters	
<ul> <li>63. 1941</li> <li>Outlets in gasoline fuel lines are</li></ul>	Ref: Engine, Fuel	D
<ul> <li>64. 2829</li> <li>The nozzle of a gasoline hose or can should be kept</li> <li>A. in contact with the fill opening to guard against stat</li> <li>B. from making contact with the fill opening to guard a</li> <li>C. in contact with the fill opening to allow proper vention</li> <li>D. None of the above</li> </ul>	against static spark	A
<ul> <li>65. 3417</li> <li>Upon completion of fueling a gasoline driven vessel it is</li> <li>A. keep ports, doors, windows, and hatches closed</li> <li>B. start engines immediately</li> <li>C. ventilate before starting engine</li> <li>D. None of the above</li> </ul>	Ref: Engine, Fuel s necessary to	С
<ul> <li>66. 3979</li> <li>When fueling has been completed</li> <li>A. the fuel tank fill pipe should be left open to allow va</li> <li>B. the engine should be started immediately to prever</li> <li>C. all hatches should be opened and all compartment</li> <li>D. open the fuel line and drain a small amount of gase</li> </ul>	nt vapor lock in the fuel line is should be ventilated	C
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<ul><li>67. 4204</li><li>Which device is required in the fuel supply line at the en</li><li>A. Flow meter</li><li>B. Shut-off valve</li></ul>	Ref: Engine, Fuel igine? C. Pressure gauge D. Filter	В
<ul> <li>68. 4436</li> <li>Which statement is FALSE concerning precautions durin</li> <li>A. All engines, motors, fans, etc. should be shut down</li> <li>B. All windows, doors, hatches, etc. should be closed.</li> <li>C. A fire extinguisher should be kept nearby.</li> <li>D. Fuel tanks should be topped off with no room for extended of the should be topped off with no room for extended of the should be topped off with no room for extended of the should be topped off with no room for extended of the should be topped off with no room for extended of the should be topped off with no room for extended of the should be should be topped off with no room for extended of the should be should be topped off with no room for extended of the should be should</li></ul>	when fueling.	D
<ul><li>69. 4936</li><li>You discover a leak in the fuel line to the engine. You sh</li><li>A. activate the CO2 system</li><li>B. make a temporary repair with canvas or tape</li></ul>	Ref: Engine, Fuel nould FIRST C. start the bilge pump D. close the fuel valve at the tank	D
<ul><li>70. 2996</li><li>The shut off valve at the gasoline tank which can be ope</li><li>A. controls the amount of gasoline to the engine</li><li>B. shuts off the gasoline supply at the tank</li></ul>	Ref: Engine, Fuel, Air erated from outside the tank space C. is used if the gasoline tank leaks D. All of the above	В
<ul><li>71. 1276</li><li>If a gasoline engine turns over freely but will not start, th</li><li>A. a defective ignition system</li><li>B. low lube oil level</li></ul>	Ref: Engine, Gasoline ne cause is generally C. weak valve springs D. too heavy a load	A
<ul><li>72. 1846</li><li>On small passenger vessels a gasoline engine must be</li><li>A. A means of backfire flame control</li><li>B. A lubricating oil pressure gauge and a tachometer</li></ul>	C. Jacket water discharge temperature gauges	D
<ul> <li>73. 3346</li> <li>To find the cause of a gasoline engine's failure to start, y</li> <li>A. break the joint in the fuel line at the engine and let th</li> <li>B. disconnect the wires at the spark plugs and make th</li> <li>C. prime the engine with ether through spark plug oper</li> <li>D. ventilate the space, then check the battery, spark pl</li> </ul>	he gas run in the bilges he spark jump the gap hings	D
<ul> <li>74. 4107</li> <li>When two generators are operating in parallel, what will down?</li> <li>A. The generator that's still running will motorize.</li> <li>B. Both generators will immediately shut down.</li> <li>C. The running generator's circuit breaker will immediately.</li> <li>D. The stalled generator's circuit breaker will trip on revealed.</li> </ul>	itely trip on overload.	D
<ul><li>75. 1005</li><li>Electric generators can be protected against overload</li><li>A. with switches</li><li>B. with a governor on the engine</li></ul>	Ref: Engine, Generators, Jacket C. with fuses or circuit breakers D. by using heavy wire	С
<ul> <li>76. 590</li> <li>After an engine is started you should</li> <li>A. increase engine speed to insure adequate flow of oi</li> <li>B. pay no attention unless there are unusual noises from C. check operating pressures and temperatures, and construction to the engineering to the engine</li></ul>	om the engine heck for leaks	C
D. run the engine at idle until the temperature has incre	essed	

<ul> <li>77. 3265</li> <li>The three conditions which cause engine shutdown are</li> <li>A. high lube oil pressure</li> <li>B. high jacket water pressure</li> </ul>	Ref: Engine, Overheating overspeed, low lube oil pressure, and C. high jacket water temperature D. low jacket water pressure	С
78. 493 A wobbling tail shaft is an indication of	Ref: Engine, Shaft	D
<ul><li>A. shallow water</li><li>B. an engine that is misfiring</li></ul>	<ul><li>C. a tight tail shaft gland</li><li>D. worn stern bearing or misalignment</li></ul>	
<ul><li>79. 3805</li><li>What power source actuates a solenoid valve?</li><li>A. Air pressure</li></ul>	Ref: Engine, Solenoid Valve C. Electric current	С
B. Hydraulic pressure	D. Mechanical force	
<ul> <li>80. 805</li> <li>Before starting any diesel or gasoline engine, which of a</li> <li>A. Oil level</li> <li>B. Flow of cooling water</li> </ul>	Ref: Engine, Start Up the following must be checked? C. Exhaust discharge D. All of the above	A
81. 3494 What are the three basic types of engine starters?	Ref: Engine, Starters	В
<ul><li>A. Air, water, electric</li><li>B. Air, hydraulic, electric</li></ul>	<ul><li>C. Metered, hydraulic, automatic</li><li>D. Air, emergency, hydraulic</li></ul>	
<ul> <li>82. 3591</li> <li>What is NOT used as a stern tube bearing, on a large v</li> <li>A. Wooden (lignum vitae) strips</li> <li>B. Hard rubber</li> </ul>	Ref: Engine, Stern Tube ressel? C. Resin bonded composition D. Bronze bushings	D
83. 3841	Ref: Engine, Stern Tube	А
What type of stern tube bearing has the least friction? A. Oil-lubricated bearings B. Lignum vitae	C. Hard rubber D. Bronze bushings	
<ul> <li>84. 804</li> <li>Before starting a gasoline engine on a motorboat, you s</li> <li>A. the gasoline tank is full</li> <li>B. the bilges, cabins, etc. are thoroughly ventilated</li> <li>C. you have fresh water on board</li> <li>D. Each of the above is followed</li> </ul>	Ref: Engine, Vent should make sure for safety that	В
85. 810 Before you start an engine in a compartment, it's MOST	Ref: Engine, Vent	D
<ul><li>A. check the flame arrester</li><li>B. check the fuel tank</li></ul>	C. check the battery D. ventilate the bilges	
86. 1133 Gasoline fuel tank vents should terminate	Ref: Engine, Vent	С
<ul><li>A. in the engine compartment</li><li>B. in the fuel tank space</li></ul>	<ul><li>C. above or outside the hull</li><li>D. at the most convenient location</li></ul>	
<ul> <li>87. 2095</li> <li>Starting motors, generators, and other spark producing bilges as possible to</li> <li>A. keep them dry when the bilges are full of water</li> <li>B. keep them cool when the vessel is underway</li> <li>C. make them more accessible for repairs</li> </ul>	د بر محمد المحمد	D
D. prevent accidental ignition of any gasoline vapors the second se	hat may have accumulated in the bilges	

Deck Safety	ENGINE SY	STEM
<ul> <li>88. 4456</li> <li>Which statement is TRUE concerning fuel vapors on a A.</li> <li>Fuel vapors gather in the lowest portions of the ves</li> <li>B. Fuel vapors can only be ignited by an open flame.</li> <li>C. Vent outlets should be located above the level of the</li> <li>D. None of the above</li> </ul>	ssel.	A
<ul> <li>89. 4457</li> <li>Which statement is TRUE concerning gasoline vapors of A. They are heavier than air and will settle in the lower</li> <li>B. They are lighter than air and will settle in the highes</li> <li>C. They should be vented into the engine to improve of D. They should be vented into the wheelhouse.</li> </ul>	st part of the vessel. st part of the vessel.	A
<ul> <li>90. 4695</li> <li>Why is it necessary to extend ventilators of gasoline po</li> <li>A. To keep them dry, and thus easier to clean</li> <li>B. To remove fuel vapors which are heavier than air</li> <li>C. To provide adequate air to the engines</li> <li>D. To cool the machinery areas</li> </ul>	Ref: Engine, Vent owered vessels to the bilges?	В
<ul> <li>91. 5125</li> <li>Your vessel has a gasoline engine and a mechanical exengine, the exhaust blower should be run long enough</li> <li>A. warm up the exhaust blower motor</li> <li>B. provide a proper supply of fresh air for the engine(s</li> <li>C. see the system is in good operating condition</li> <li>D. insure at least one complete change of air in the co</li></ul>	to s)	D
<ul> <li>92. 792</li> <li>Before any machinery is put in operation, you should</li> <li>A. ventilate all compartments, see that the machinery</li> <li>B. just turn the key and start up</li> <li>C. take for granted that there are no fuel leaks</li> <li>D. assume there are no volatile fumes in the engine space</li> </ul>	is clean and there are no obstructions	A
<ul> <li>93. 1582</li> <li>Individual wires, used in systems greater than 50 volts,</li> <li>A. should be supported at 24 inch intervals with plastic</li> <li>B. should never be located in a tank</li> <li>C. must be installed in conduit</li> <li>D. All of the above</li> </ul>		С
<ul> <li>94. 2916</li> <li>The purpose of fuses in electric wiring is to</li> <li>A. allow for cutting out branch circuits</li> <li>B. prevent overloading the circuits</li> <li>C. reduce voltage to the branch circuits</li> <li>D. parmit the use of ameller wiring for lighting circuits</li> </ul>	Ref: Engine, Wiring 	В

D. permit the use of smaller wiring for lighting circuits

