

BK	NUM	ANS	QUESTION	ANSWER A	ANSWER B	ANSWER C	ANSWER D	ILLUS
			Oct-06					
11	4416	A	The component labeled "A", as shown in the illustration, would be identified as the _____.	oil level sensing probe	water sensing probe	pressure tank relief valve	oily water content monitor	GS-0175
11	4417	A	The line labeled "C", as shown in the illustration, would be identified as the _____.	clean water flushing line	oily bilge water inlet	tank drain line	oil discharge line	GS-0175
11	4418	C	The line labeled "E", as shown in the illustration, would be identified as the _____.	processed oil outlet	clean water flushing line	oily bilge water inlet	oily bilge water outlet	GS-0175
11	4421	A	The line labeled "G", as shown in the illustration, would be identified as the _____.	separated oil outlet	processed bilge water outlet	oily bilge water inlet	clean water flushing line	GS-0175
11	4425	B	Hydraulically, servo-operated, automatic, change over valves, utilized in a two ram hydraulic steering gear, serve to _____.	allow an alternate main pump to start in the fully loaded condition thus developing immediate full torque.	prevent the idle main pump from being hydraulically motored by cross pressure flow.	prevent main pumps from operating simultaneously which could result in the over pressurization of the system.	all of the above.	
11	4561	A	If the operating pressure is determined to be normal in the system shown in the illustration, yet the crane does not swing (slew) in either direction when the directional control valve is operated, the problem could be _____.	an obstruction in the brake release cylinder line (2)	double check valve (14) ball jammed to the left	oil cooler partially obstructed	relief valve (12) set to open at too high a pressure	GS-0161
11	4562	A	The counter balance valve (5) in the winch circuit shown in the illustration _____.	helps prevent slung loads from dropping prematurely	regulates the amount of oil to the brake release cylinder	prevents over-travel of the winch when retrieving	aligns the pump's discharge to the winch's hydraulic motor	GS-0161
11	4563	D	You press start button on the hydraulic power unit shown in the illustration, and the motor does not start. The first thing you should check is the _____.	suction strainer condition	controller contactor operating coil	pump discharge relief valve set too low	controller circuit breaker	GS-0161
11	4595	C	Machinery vibration sensing devices are commonly identified as _____.	transducers	resistance temperature devices	accelerometers	frequency synthesizers	
11	4596	B	A machinery vibration monitoring program can be used to identify bearing defects by _____.	measuring output torque	frequency spectrum analysis	thermal radiography	pressure differential analysis	
11	4597	C	As shown in the illustration, what would be the recommended grease replenishment interval for a 5 ½ inch radial ball bearing operating under normal load at approximately 1000 rpm?	2000 hours	3000 hours	6000 hours	8000 hours	GS-0176
11	4598	D	If the compressor assembly was operated as shown in figure #4 of illustration GS-0159, which bearing wear pattern would most likely develop for the motor pulley bearing shown in illustration GS-0174?	(a)	(b)	(c)	(d)	GS-0174
11	4602	B	Which of the following conditions is most likely to cause water hammer in the potable water system shown in the illustration.	The hydro-pneumatic tank being half full of water.	Loss of air in the hydro-pneumatic tank.	A low water level in the potable water storage tank.	Operating both pumps simultaneously.	GS-0173
11	4603	A	Which of the following statements is true concerning the valve shown in the illustration.	The valve is designed as a non-rising stem type.	The valve is normally used to throttle the flow of liquid.	The valve only requires one turn of the handwheel to fully open.	The valve seats cannot be replaced or repaired.	GS-0047

12	1737	D	As shown in the illustration, what is the purpose of the Time Delay (TD) coil in the circuit?	Ensures the motor cannot be started until the overload relays are reset.	Ensures the motor cannot be started until the accelerating coil is energized.	Allows the motor to come up to speed before placing the starting resistors in the circuit.	Allows the motor to come up to speed before bypassing the starting resistors.	EL-0104
12	1750	C	A change in field excitation of an alternator operating in parallel will cause a change in its _____.	alternator frequency	phase sequence	reactive power	active power	
12	1752	C	What would be the terminal voltage and amp-hour capacity at terminals A and B if each battery was rated at 75 amp-hours and 12 volts?	24 volts and 75 amp-hours	24 volts and 150 amp-hours	24 volts and 225 amp-hours	36 volts and 300 amp-hours	EL-0107
14	1989	A	A four-cycle, medium speed, eight cylinder, in-line diesel engine has a firing order of 1-5-2-6-8-4-7-3. If during routine valve maintenance, #1 cylinder is set at TDC in firing position, which exhaust valves can be checked for proper valve lash?	#1, #5, #2, #6	#1, #5, #2, #4	#1, #3, #2, #7	#1, #2, #6, #8	
14	1990	B	A four-cycle, medium speed, eight cylinder, in-line diesel engine has a firing order of 1-5-2-6-8-4-7-3. If during routine valve maintenance, #8 cylinder is set at TDC in firing position, which exhaust valves can be checked for proper valve lash?	#8, #4, #7, #1	#8, #4, #7, #3	#8, #6, #7, #5	#8, #6, #7, #2	
14	2000	B	A four-cycle, eight cylinder in-line medium speed diesel engine, has a firing order of 1-5-2-6-8-4-7-3. If #4 piston is at TDC and firing, how many degrees of camshaft rotation will occur when #5 piston reaches TDC and fires?	120 degrees	180 degrees	240 degrees	360 degrees	
14	2134	C	What condition listed below would specifically indicate that a pump overhaul was necessary for a centrifugal saltwater service pump.	Pump coupling requires constant maintenance.	Observed operational speed has decreased.	Indicated head pressure does not change when discharge valve is closed.	Salt water heat exchangers running hot.	
14	2234	B	As shown in the illustration, the function of component "1" is to _____.	generate superheated steam to operate the turbo generator	evaporate circulating boiler water into saturated steam	maintain a water level in the steam drum	condense excess steam produced in the boiler	MO-0128
14	2235	B	As shown in the illustration, what component would normally be installed at location "D" ?	Boiler water level indicator	Oil fired mechanical burner	Boiler soot blower unit	Flue gas smoke indicator	MO-0128
14	2236	D	As shown in the illustration, what component would normally be installed at location "B"?	Boiler water level indicator	Oil fired mechanical burner	Boiler soot blower unit	Flue gas pyrometer	MO-0128
14	2237	A	As shown in the illustration, if the vessel was operating at full sea speed, the area labeled "A" would be used to _____.	collect the saturated steam generated in area "1" by the engines exhaust gases	uperheat the steam generated by the oil fired mechanical burner	preheat the feed water to the waste heat boiler	collect stack gas	MO-0128
14	2238	A	As shown in the illustration, the component labeled "E" would be identified as a _____.	waste heat boiler circulating pump	boiler water feed pump	main condensate pump	fuel oil service pump	MO-0128
14	2239	B	As shown in the illustration, the component labeled "F" would be identified as a _____.	waste heat boiler circulating pump	boiler water feed pump	main condensate pump	fuel oil service pump	MO-0128

14	2240	A	As shown in the illustration, the function of component "3" is to _____.	generate superheated steam to operate the turbo generator	generate saturated steam when the vessel is underway	preheat feedwater before entering the steam drum	condense excess steam produced in the boiler	MO-0128
14	2245	C	As shown in the illustration, the component labeled "H" would be identified as a _____.	waste heat boiler circulating pump	boiler water feed pump	main condensate pump	fuel oil service pump	MO-0128
14	2246	D	As shown in the illustration, the function of the component labeled "G" would be to _____.	condense steam exhaust from the turbo generator	provide a source of circulating water into the waste heat boiler	provide a source of fuel for the fuel oil service system	provide a reservoir of feed water for the boiler feed pump	MO-0128
14	2247	A	As shown in the illustration, the area labeled as "C" would be identified as the _____.	oil fired boiler furnace	oil fired boiler mud drum	oil fired boiler water drum	waste heat boiler steam separator	MO-0128
14	2254	C	As shown in the illustration, the primary function of the valve labeled "6" would be to _____.	raise vacuum during startup of the turbo generator	recirculate feedwater at low loads	relieve excess steam pressure when the turbo generator is idling	provide make-up feed water for the hotwell	MO-0128
15	2875	D	Manufacturers of self contained breathing apparatus use color coded facepieces to indicate different sizes. Which of the following statements is true concerning the colors of SCBA facepieces?	Size "Small" is green.	Size "Large" (standard) is black.	Size "Extra Large" is red.	All of the above.	
15	2989	A	In the illustration shown, the weak link is identified as item number _____.	8	6	4	1	SF-0043
15	2990	B	In the illustration shown, the hydrostatic release is identified as item number _____.	3	6	7	10	SF-0043
15	2991	C	In the illustration shown, the sea painter is identified as item number _____.	3	6	7	9	SF-0043