

Final Exam

A. Fill in the gaps using the words below. There are two extra words. (10x1.5=15 points)

replenishment spring sediment thickness mist viscosity
tailshaft contraction compression loads rotary thrust

- The valve closes automatically under the action of the _____.
- When _____ of cooling water is necessary, use clean water to keep the circulating system free of _____.
- Sudden cooling may cause unequal _____ of the working parts.
- If there is excessive oil _____, there is an alarm.
- The lifting pressure of the spring is set by the _____ of the packing piece.
- A _____ valve stops to indicate the suspect crankcase.
- The different items in the system include the _____ shaft, one or more intermediate shafts and the _____.
- The construction must be strong enough to withstand normal and shock _____.

B. Fill in the gaps using the words below. There are two extra words. (10x1.5=15 points)

components alert gases gauge density indicate
relieve centrifugal pressure sufficient cells ensure

- The escaping _____ are directed to a safe outlet.
- The oil mist detector uses photoelectric _____ to measure increases in oil mist _____.
- Explosion relief valves serve to _____ excessive crankcase pressures.
- The electric governor uses electric and mechanical _____ for its operation.
- A level _____ measures the tank contents.
- Prestart inspection will _____ that the engine is ready for operation.
- There must be _____ supply of fuel oil, lube oil, and cooling water.
- The operator must be _____ for any leakages.
- The action of _____ force throws the weights outwards.

C. Fill in the gaps with a word of your own choice. (10x2=20)

- The damage must be _____ as soon as possible.
- Governors control the engine _____.
- The lubrication system provides a supply of oil to the _____ parts of the engine. It enables the formation of a _____ of oil between them to minimize _____ and wear.
- The lube oil is stored in the _____ or drain tank.
- The use of inappropriate lube oil may cause carbon _____.
- The _____ of an oil indicates how thick or thin the oil is.
- When topping off batteries, use _____ water.
- Edge _____ should be welded up with suitable electrodes.

D. Fill in the gaps with a word that begins with the letter given. (10x1.5=15)

Example: The l_____ system provides oil to the engine. Correct answer: lubrication

- C_____ is the forming and bursting of vapour-filled bubbles on the back of a propeller **b**_____.
- More serious damage should be repaired by **w**_____.
- S_____ is the most misunderstood of all propeller terms.
- To create thrust there must be some angle of **a**_____.
- Accessories should be inspected for **l**_____ connections.
- Inspect the fire **e**_____ for full charge, security and cleanliness of valves and **n**_____.
- Pistons **r**_____ and compress the air drawn into the cylinder.
- A propeller which turns **c**_____ when viewed from aft is considered right-handed.

E. Fill in the gaps with a suitable form of the words in parentheses (20x0.5=10 points)

- Low lube oil _____ (consume) results in a _____ in cost. (reduce)
- If there is too much oil mist in the crankcase, this may cause an _____. (explode)
- There are _____ designs of valves. (vary)
- The lube oil can also be used as a _____. (cool)
- The _____ of the ship was very slow. (move)
- I didn't know the way so I asked for _____. (direct)
- The _____ space was very small. (store)
- The _____ of the new model had many problems. (produce)
- This _____ of this engine is very poor. (perform)
- He works in a _____ company. (construct)
- The beach became smaller because of the _____. (erode)
- His mistake is a result of his _____ not his bad intentions. (ignore)
- If you want to get a job in this company you have to fill in an _____ first. (apply)
- This spare is not _____, we need an original one. (suit)
- He works as an industrial _____. (design)
- We are making _____ for our next trip. (arrange)
- The thrust block is a part of the main _____ engine. (propel)
- The hotel was in a very bad _____. (locate)
- A speed selector changes the _____ of the spring. (compress)

F. Match the words in column A to their synonyms in column B. (10x0.5=5 points)

A	B	Correct Pairs
supply	dirty	_____
inspection	enough	_____
basic	provision	_____
amount	deformation	_____
operation	examination	_____
require	quantity	_____
lead to	main	_____
foul	function	_____
sufficient	demand	_____
distortion	cause	_____

G. Match the opposites (10x 0.5=5 points)

rigid	not detailed	_____
integral	right	_____
thorough	separate	_____
appropriate	rude	_____
disciplined	improper	_____
reliable	willing	_____
committed	disorganized	_____
reluctant	not dedicated	_____
tactful	soft	_____
inaccurate	untrustworthy	_____

H. Choose either a) or b) (15 points)

a) During your voyage you had a problem with the lube oil system. Write a letter to the Superintendent Engineer to inform him about what you did to solve this problem.
(Approximate length: 100 words)

b) Write a paragraph about governors (their types, function etc.)