

**MERCHANT MARINE ACADEMY OF MACEDONIA
SCHOOL OF ENGINEERS**

Course: Maritime English
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Semester: E (retakes)
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Student's full name:
A.Γ.M.:

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Date:

FINAL EXAM

A. Fill in the gaps using the words below. (15 p.)

previous contraction theoretical pitch cold
sufficient crack seizing angle cooling

- Propeller _____ is the difference between actual and _____ travel resulting from a necessary propeller blade _____ of attack.
- The engineer must inspect the engine for a _____ supply of fuel oil, lube oil and _____ water.
- Large amounts of _____ water should not be added to the engine if the engine is still hot from _____ operation.
- Sudden cooling can _____ the cylinders or cylinder heads and may cause unequal _____ of the structural and working parts and lead to _____ of the pistons.

B. Fill in the gaps using the words below. (15 p.)

total-loss boss external pressure cylinder
hull blade helicoidal cavitation thrust

- Diesel engines rely on some _____ source of power for starting.
- _____ can occur as a result of _____ variations on the back of a propeller _____.
- The _____ block transfers the thrust from the propeller to the _____ of the ship.
- The propeller consists of a(n) _____ with several blades of _____ form attached to it.
- _____ lubrication of crosshead engines is a(n) _____ system.

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

- The use of inappropriate lube oil may cause _____ deposits.
- Explosion _____ valves or doors are fitted in the _____ as a practical protection against explosions.
- The _____ oil burns and is partly scraped down to the scavenging air space where it is drained.
- The lube oil is stored in the _____ or drain tank.
- In _____ governors a flyweight assembly is used to detect 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.

D. Fill in the gaps with a word that begins with the letter given. (15 p.)

Example: The **l**_____ system provides oil to the engine. Correct answer: **lubrication**

- Accessories should be inspected for **l**_____ connections.
- Inspect the fire **e**_____ for full charge, security and cleanliness of valves and **n**_____.
- Pistons reciprocate and **c**_____ the air drawn into the cylinder.
- A propeller which turns **a**_____ when viewed from aft is considered left-handed.
- 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.
- The **t**_____ has a flanged face where it joins the intermediate shafting.

E. Fill in the gaps with a suitable form of the words in parentheses. (15 p.)

- A _____ (reduce) in speed lowers the spindle.
- 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)
- The lube oil _____ (consume) is a _____ (signify) economical factor for the ship.
- If the _____ (press) in the lube oil system is _____ (adequate), an alarm will sound.
- 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)
- When _____ (exceed) oil mist is _____ (presence) in the crankcase, there is great danger of explosion.
- A speed sensing _____ (arrange) and a hydraulic unit are the _____ (base) systems of a governor.
- 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)

F. Match the words in column A to their synonyms in column B. (5 p.)

A	B	Correct Pairs
polish	take no notice of	_____
transfer	make smooth and shiny	_____
corrosion	spiral ridge round a screw or bolt	_____
thrust	change position, move	_____
ignore	chemical reaction of a metal with its environment	_____
forged	resist, tolerate	_____
carry out	force directed forward	_____
thread	shaped by heating and hammering	_____
withstand	conduct, perform	_____
erosion	trained and experienced	_____
skilled		

G. Write a paragraph on the importance of lubrication for diesel engines. (15 p.)

GOOD LUCK !!!