Merchant Marine Academy of Macedonia

School of Engineers

regulations.

the event of a spill.

Course: Maritime English

Semester: ST June 2013

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Final Exam

NAME:

A. Fill in the gaps using the words below. There are two extra words. (15 p.) rate guide treatment grind cooling planks quality machining scores conditions intervals duct dismount schedules results overhauls inspect --The checking and maintenance ______ indicate the intervals at which it is appropriate to the individual components of the engine and to carry out _____. --The recommended hours of service should only be used as a ______, as differences in the actual service ______, the _____ of the fuel oil or lubricating oil, the _____ of cooling water, etc. will influence the service results and thus the _____ between the necessary overhauling. --When you want to check the cylinder liner you should first _____ the cylinder cover, the piston cleaning ring and the piston. --Carefully scratch over any _____ or marks on the liner and _____ away the wear ridges. --Clean any blocked lubricating _____ --Lower the cooling jacket by means of the tackles and land it on the wooden _____ --When the ring is in good condition you can still see the _____ marks on its surface. --The centrifuge must operate with the proper flow ______. B. Fill in the gaps using the words below. There are two extra words. (15 p.) executed contingency deposits carbon inlet punch exhaust dismantled sulphur completion barge bunkering wear delivery tolerance mounting refinery --When you take deflections, _____ marks are normally present to indicate the correct position of the measuring tool. --If the crankshaft deflection approaches the _____ limits, the bearing shells of the two adjacent main bearings must be _____ and inspected. --The fuels which go through extensive ____ processing are left with high _____ --The centrifuge should always be operated with a(n) ______ temperature of 98 C. --On ______ of loading, all hoses and lines should be drained to the tank or, if applicable, to the

C. Fill in the gaps with a word/phrase of your own choice. (22.5 p.)

- --Clean the cylinder liner and scavenge air _____
- --Apply a thin _____ of grease on the contact surface of the liner.
- --The screws are too tight here. You need to ______ them.
 --Corrosive wear may be the result of the formation of _____ acid on the cylinder wall.

--All ______ operations should be carefully planned and _____ as per MARPOL

--Vanadium combined with sodium may lead to valve corrosion and turbocharger

--The procedures regarding the of fuel should address arrangements in

--In order to reduce the risk of corrosion, use _____ cylinder oils to _____ the acids that may be formed.

Abrasive cylinder wear may be caused by hard which enter the cylinder via the fuel oil.
The ability to separate water from the oil depends largely on the gravity of the fuel oil in
relation to that of water.
A mixture of fuels in the tanks can result in rather large amounts of
being taken out of the centrifuges.
Marine fuel oils must be on board before use.
Temperatures below the result in wax formation.
Part of the ash which is present in the fuel could be particles from the cracking process.
Two way communication with special in the fuel could be particles from the cracking process.
Two-way communication with vessel or facility should be established before
bunkering starts, including stop.
D. Choose the correct option. (5 p.)
Design modifications may a revision of the instructions and change in the overhauling
intervals.
a. influence b. change c. necessitate d. check
We need to check the axial vibration
a. damper b. catcher c. bearing d. tightener
We replaced the moment
a. camshaft b. compensator c. tightener d. distributor
The starting air had a problem.
a. chain b. lubricator c. distributor d. compensator
The exhaust valve was OK.
a. actuator b. pipe c. tightener d. distributor
Drain the water mist
a. turbine b. guide c. cooler d. catcher
The fuel pump valve is new.
a. puncture b. chock c. torque d. spanner
You need a tightening for this job.
a. pump b. gauge c. thermostat d. switch
These holding down are not the right size.
a. spanners b. valves c. gears d. bolts
VIT stands for
a. variable inflection timer b. various injection timer c. variable injection timing
d. volatile inflection timer
E. Fill in the gaps with a suitable form of the words in parentheses. (10 p.)
You should always pay attention to the manufacturer's (recommend)
What are the entry for this school? (require)The of the lube oils according to their viscosity is an important parameter for their use.
The of the lube oils according to their viscosity is an important parameter for their use.
(classify)
checks are needed to make sure the lube oil system centrifuge is working properly.
(add)
You have to make for the engine to work properly. (adjust)
There were several problems we had to solve. (function)
They checked the of the crankshaft. (align)
Maintain the proper temperature to avoid the of the steam. (condense)
Fuels often contain to be of better quality. (add)
We need to clean the various through centrifuge. (pure)
The water (separate) ability of the fuel oil is ensured by limiting the
(dense) for reasons of centrifuging
The sulphur content of a fuel has a (neglect) effect on the combustion process As heavy fuel oil is more (viscosity) than marine diesel oil, it cannot be pressed through
As heavy fuel oil is more (viscosity) than marine diesel oil it cannot be pressed through
the (inject) without proper treatment.
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Fuels which			(differ) crude oils tend to be		
	(stability) when				
	oils should be thorough	ghly cleaned to remove	solid and liquid	(contaminate)	
before use.					
			id material as well as met		
The fuel oil	system consists of a c	eleaning plant and a	(pressure)	fuel oil system.	
F. Match the	words in column A t	o their synonyms in c	olumn B, and write the p	pairs below. (7.5 p.)	
A	В				
discard	micro-seizure				
indicate	\mathcal{L}	nent and argument			
assess	prove that someth	ning is true			
bores	deviation				
circumferentia					
scuffing	throw away				
implement	on the sides/perim	neter			
deflection	put into force				
verify	evaluate				
conflict	show				
access					
					
					
					
					
					
G. Match the	words in column A	to their opposites in co	olumn B, and write the p	eairs below. (7.5 p.)	
A	В				
actual	imprecise				
vertical	unable				
significant	reduction				
appropriate	insufficient				
thorough	improve				
deteriorate	careless				
accurate	theoretical				
adequate	unsuitable				
capable	horizontal				
increase	unimportant				
operational					
					
					

p.)		
2. Carbon residue:		

I. Choose one of the two topics and write a paragraph of about 120 words (10 p.)

- a) Discuss why, when and how you take crankshaft deflections.
- b) Discuss some of the procedures which, according to MARPOL, must be followed so as to minimize the risk of spillages and leakages during bunkering.