FULL NAME: STUDENT NUMBER:

GROUP:

Academic year: 2014-2015

Exam period: June Date: 22/6/2014 **Semester: D**

Instructor's name: Dr M. Tsompanoglou

FINAL TEST in English

1. Complete the following text with an appropriate word from the following: mechanical, damage(n), wear(n), crosshead, bearings, oil, efficient, manual, equipment, sensor, operation, water, accumulating, corrosive, lube. (15 points)

Countermeasures against corrosion Lube oil system

Water in the lube oil system may lead to
The
2. Find the missing words. The first letter is given. (20 points)
Before starting any kind of overhauling, it is advisable to have the required t, the instructions m

	complete the sentences with the correct form of the words in parentheses. 15 points)
	fitter does all the for the pipes, because they have holes due to (weld, corrode)
No	
	ge, or (wear, operate)
The :	3 rd engineer is in charge of electrical systems, generators, boilers, fuel, and systems. He is typically in charge of (food, bunker) bke engines can over 2,000 short tons. (weigh)
	ombustion is poor, there will be an accumulation of residues. osity)
	of the vessel is 20 metres and the overall is 200 metres. ad, long)
	2 nd engineer reports to the Chief Engineer about the daily of the department. (maintain)
The	r in the lube oil system may lead to wear of the overlayer. (corrode) Chief Engineer sends information to the company about fuel
(cons	sume)
	noose the proper maintenance work for each defect from the following:
-	ping, matching, grinding, aligning, replacement, reconditioning, retightening, ing, readjustment. (15 points)
	rect clearances:
	on deposits: ection:
	rect injection pressure:
	n surfaces:
Scale	
	ks, fractures:
	ices out of roundness:
	tened tie bolts: ed/scratched surfaces:
Score	Servicined Surfaces.
feeler millir	ll in the sentences with the names of the following tools: r, rachet, washer, combination, screwdriver, spanner, drill, pipe, hammer, ng machine. oints)
	gauge is used to measure narrow gaps and clearance.
a rota	schine for the removal of metal by feeding a workpiece through the periphery of ating circular cutter is called
	nd tool that tightens and loosens nuts and bolts: wrench or
-	wer tool used to bore holes:
THE I	mechanic used the open end of the wrench.

The plumber used an adjustable wrench A screw with a cross-shape on the head needs a Phillips He shaped the metal fitting with a ball-pein			
Where are the sockets for this wrench?			
Place a between the nut and surface.			
6. Transform into Passive. (10 points)			
Shipbuilders divide a ship into several compartments.			
A ship			
V 1 11			
You should use a scraper to remove scale.			
A scraper	to remove scale.		
The second engineer has already replaced the piston rings. The piston rings			
The piston compresses the air in the cylinder.			
The air in the cylinder			
The shief and in an discussed the turning seen			
The chief engineer disengaged the turning gear.			
The turning gear			

7. Answer one of the following groups of questions. (10 points)

1.

- How does an air compressor work?
- How many types of air compressors are there?
- Why is the reciprocating compressor also called piston air compressor?
- How many kinds of such compressors are there depending on the number of compression stages?

2.

- What kind of engine is a diesel engine?
- How does such an engine work?
- How does it differ from gasoline engines?