**FULL NAME:** 

**STUDENT NUMBER:** 

**GROUP:** 

Academic year: 2013-2014 Exam period: February

**Date: 10/2/2014 Semester: D** 

Instructor's name: Dr M. Tsompanoglou

## **FINAL TEST in English**

1. Complete the following text with an appropriate word from the following: accumulating, corrosive, mechanical, damage(n), wear(n), crosshead, bearings, oil, efficient, manual, equipment, sensor, operation, water, 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)
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Worn main bearing and vibrating forces are the most common reasons for crankshaft d

down, at, with, without, in, off, on, below, at, to, of, into, above. (15 points)
Slow the rate of oil being pumped and top tanks with extreme caution.
The speed of the turbocharger is variable depending the engine load. At full power it may be rotating speeds of 10000 rpm.
Keep clear off space crane with load.
Cargo and bunker hose pipes should be handled care and stored
bends that may fracture the hose.
When you have found abnormal conditions of the machinery, or when you are doubt, take proper measures immediately.
Since 2008, all produced low speed engines crosshead bearings are line configurations.
A 2-stroke engine must be supplied with air atmospheric pressure in order to work.
Fuel consists mainly carbon and hydrogen. By burning the fuel in oxygen, the energy in the fuel is released and converted work and heat.  If any part of the fire detection system is temporarily disengaged due any repair, mention thisthe work permit.
4. Complete the sentences with the correct form of the words in parentheses. (15 points)
(15 points)  2-stroke engines can
(15 points)  2-stroke engines can
(15 points)  2-stroke engines can
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..... systems. He is typically in charge of ...... (food, bunker)

3. Complete the sentences with an appropriate preposition from the following:

# 5. Fill in the following sentences with the names of the appropriate tools. (15 points)

A <b>f</b> gauge is used to measure narrow gaps and clearance.
A hand tool that tightens and loosens nuts and bolts: w or s
A power tool used to bore holes: <b>d</b>
The mechanic used the open end of the <b>c</b> wrench.
The plumber used an adjustable <b>p</b> wrench
A screw with a flat slot on the head needs a <b>f s</b>
He shaped the metal fitting with a ball-pein <b>h</b>
Where are the sockets for this <b>r</b> wrench?
Place a w between the nut and surface.
He used a least to carve the table legs

#### 6. Transform into Passive. (10 points)

The piston compresses the air in the cylinder.

The chief engineer disengaged the turning gear.

The second engineer has replaced the piston rings.

Shipbuilders divide a ship into several compartments.

You should use a scraper to remove scale.

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

1.

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

2.

- 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?