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

Academic year: 2013-2014 Semester: D **Exam period:** February **Duration:** 2 hrs

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NAME:	Student Number:

1. Fill in the gaps with the right word from the list. (20 po	ints)	İ
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gudgeon, screw, in, through, speed, crankcase, pressure, drain, led, filtered
The oil is taken from the(1) tank usually underneath the engine by a(2) type pump. It is cooled,(3) and supplied to the engine via the oil inlet pipe at a(4) of about 4 bar. On a medium(5)engine the oil is supplied(6) drillings in the engine frame to the crankshaft main bearings. Drillings(7) the crankshaft then take the oil to the crankpin bearing. The oil is then(8) up the connecting rod to the piston or(9) pin and from there to the piston cooling before returning to the(10).
2. Choose the correct answer (15 points)
1. Change in the bearing geometry
a) Will obstruct the oil film formation b) Will cause fouling c) Will trigger an alarm in the system.
2. Fuel consists mainly of carbon and
a) Helium b) Lithium c) Hydrogen
3. The governor
a) Injects the fuel b) Controls the amount of fuel injected to the engine
c) Operates the fuel pumps
4. The element which causes oxidation to the engine is
a) silicon b) carbon c) sulphur
5. Thick particles sink down in the
a) service tank b) settling tank c)buffer tank
6. The fuel needs heating when it is close to its
a) flash point b) pour point c) injection point
7. Scuffing is
a) Dust b) Soot c) Scraping
8. VIT is
a) Various included tuning b) Variable injection tolerance c) Variable injection timing
9. The VIT rack is connected to the:
a) governor b) turbocharger c) sump tank
10. The plunger has a:

a) The fuel vapors produce	e into the Passive voice.(10 points) a flash
A flash	
b) We store the fuel in the l	
The fuel	
c) That hospital doesn't tre	<u>*</u>
Patients	
d) He bought a new car las A new car	
e) We will post the letter to	
The letter	
The letter	
4. Complete the sentences in	the passive voice, using the verbs in brackets (10 points)
This room	now. (clean)
The letters	_by the postman at 8 every day. (deliver)
The box	tomorrow. (send)
Coats	_in the cloakroom. (must leave)
This file	
That shirt	in hot water. (must not wash)
	in time if you didn't help me. (not finish)
_	today. (cannot solve)
Why the TV	
This house	since the 1940s. (not reconstruct)
5. Complete the sentences wi	th WHO, WHICH, WHOSE (10 points)
a) My friend Jack	parents live in Glasgow invited me to spend Christmas in Scotland.
a) My friend Jack	parents live in Glasgow invited me to spend Christmas in Scotland.
a) My friend Jackb) He is the kind of personc) What was the name of your	parents live in Glasgow invited me to spend Christmas in Scotlandloves an argument. friendtent we borrowed?
a) My friend Jack b) He is the kind of person c) What was the name of your d) She has a job	parents live in Glasgow invited me to spend Christmas in Scotlandloves an argument. friendtent we borrowed? most people would hate.
a) My friend Jack b) He is the kind of person c) What was the name of your d) She has a job e) Tony works for a company	parents live in Glasgow invited me to spend Christmas in Scotlandloves an argument. friendtent we borrowed? most people would hatemakes fridges.
a) My friend Jack b) He is the kind of person c) What was the name of your d) She has a job e) Tony works for a company f) You should choose the cloth	parents live in Glasgow invited me to spend Christmas in Scotlandloves an argument. friendtent we borrowed? most people would hate makes fridges. lessuit your personality.
a) My friend Jack b) He is the kind of person c) What was the name of your d) She has a job e) Tony works for a company f) You should choose the cloth g) I don't know the people	parents live in Glasgow invited me to spend Christmas in Scotlandloves an argument. friendtent we borrowed? most people would hate makes fridges. les suit your personality live there.
a) My friend Jack b) He is the kind of person c) What was the name of your d) She has a job e) Tony works for a company f) You should choose the cloth g) I don't know the people h) My bike, I ha	parents live in Glasgow invited me to spend Christmas in Scotlandloves an argument. friendtent we borrowed? most people would hatemakes fridges. lessuit your personalitylive there. d left at the gate, had disappeared.
a) My friend Jack b) He is the kind of person c) What was the name of your d) She has a job e) Tony works for a company f) You should choose the cloth g) I don't know the people h) My bike, I ha i) The woman	parents live in Glasgow invited me to spend Christmas in Scotlandloves an argument. friendtent we borrowed? most people would hatemakes fridges. lessuit your personalitylive there. d left at the gate, had disappeared. lives next door is a dentist.
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a) My friend Jack b) He is the kind of person c) What was the name of your d) She has a job e) Tony works for a company f) You should choose the cloth g) I don't know the people h) My bike, I ha i) The woman j) The hotel cau 6. Match the synonym v Consequence Contaminate Accumulate Calibrate Examine Remove	parents live in Glasgow invited me to spend Christmas in Scotlandloves an argument. friendtent we borrowed? most people would hatemakes fridges. lessuit your personalitylive there. d left at the gate, had disappeared. lives next door is a dentist. ght fire has been rebuilt. State Measure Finally Pollute Check Intention
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a) flange

b) insulation band c) helix

7. Write a report to the Superintendent of your company describing an incident

concerning a damage that occurred and the repairs you made. (100-150 words). (20 points)