

GINOP – 6.1.3-17-2018-00033 Nyíregyházi Szakképzési Centrum – Idegen nyelvi készségek fejlesztése Nyíregyházán és vonzáskörzetében

Angol C2 1 1 039 Angol nyelvi képzés KER A1 szinttől C2 szintig

Képzés nyilvántartásba vételi száma: E-001291/2015/C002

Szakmai segédanyag

az

Ipari gépész szakma

idegen nyelvi tananyagainak oktatásához

angol nyelv

A2 szint

Készítette: Serdültné Molnár Ildikó

Nyíregyházi SZC Inczédy György Szakképző Iskola és Kollégium

Reading

This text is from a flyer that presents the industrial mechanic. Read the text then answer the questions below.



Industrial mechanic

What is an Industrial Mechanic?

Industrial mechanics maintain and repair factory equipment and other industrial machinery, such as conveying systems, production machinery and packaging equipment. Workers must follow safety precautions and use protective equipment, such as hardhats, safety glasses and hearing protectors.

What does an Industrial Mechanic do?

Industrial mechanics typically do the following:

- **Read technical manuals to understand equipment and controls.**
- **Disassemble machinery and equipment when there is a problem.**
- **Repair or replace broken or malfunctioning components.**
- **Perform tests to make sure that the machine is running smoothly.**
- **Adjust and calibrate equipment and machinery.**

Industrial mechanics use technical manuals, their understanding of industrial equipment and careful observation to discover the cause of a problem. For example, after hearing a vibration from a machine, an industrial mechanic must decide whether it is due to worn belts, weak motor bearings or some other problem. Typically, they need years of training and experience to diagnose all problems fully.

They also use computerized diagnostic systems and vibration analysis techniques which help figure out the source of problems. After diagnosing a problem, an industrial mechanic may take the equipment apart to repair or replace the necessary parts. After repairing industrial mechanics must test the machine to make sure it runs smoothly. They may also do preventive maintenance. In addition to hand tools, they use lathes, grinders or drill presses. In some cases, welding may be necessary.

What is the workplace of an Industrial Mechanic?

Most industrial mechanics work in factories, power plants or at construction sites. Most are employed full time during regular business hours. However, mechanics may be on call or assigned to work nights or weekends. Overtime is common.

Task- Answer the following questions according to the text.

1. What do industrial mechanics maintain and repair?
2. What do they wear to protect themselves?
3. Why do they read technical manuals?
4. What do they do with the machinery and equipment when there is a problem?
5. When do they repair or replace components?
6. Why do they perform tests?
7. How can they discover the cause of a problem?
8. Can they diagnose all problems fully when they start their career?
9. Besides hand tools what machine tools do they use?
10. Where do most industrial mechanics work?

Writing - Curriculum vitae

Study this Curriculum Vitae (CV) which provides information about an industrial mechanic who is looking for a job.

Péter Kovács

- 1 **Email:** kovacs.peter1111@gmail.com
Address: 56 Béke út Nyíregyháza, 4400
Phone: +36204455566
Date of birth: 20 July 2005
Nationality: Hungarian
- 2 **Skilled** industrial mechanic career entrant looking for a position, **Enjoys** assembling and installing machines, **Interested** in maintenance works on equipment, **Successful** in soldering and welding, **Ready** to develop technical skills, **Motivated** and **flexible**
- 3 2022 **Industrial mechanic**
- 4 2020-2022 Industrial Machinery Ltd., Nyíregyháza as a dual training place
Vocationally oriented training with contract
Industrial mechanic trainee
- 2019-2022 Vocational Training Centre of Nyíregyháza, Inczedy György Vocational School and Dormitory, specialized in industrial mechanics
General Education, Basic Sectoral Education, Vocationally oriented training
- 5 Maintenance works on the machines and equipment
Replacement of parts
Checking operations of mechanical equipment
Equipment and machines assemblies
Experienced in blueprint reading and interpretation
Installations and set-ups on the basis of the manual
Knowledge of processing machines, heat engines, pumps, compressors
Basic electrical skills
- Problem-solving skills, Good communication skills
- 6 Category 'B' driving licence
- 7 English- elementary level
- 8 Outdoor sports, Listening to music
- 9 Available upon request

Task A – *Find the right place of the following section titles (A-I) in the CV. Write the letters next to the numbers (1-9) on the dotted lines.*

- A) References**
- B) Contact information**
- C) Language**
- D) Other knowledge**
- E) Objective**
- F) Qualification**
- G) Education**
- H) Key Skills**
- I) Interests**

Task B – *With the help of the above sample write your CV. You are advised to use a CV maker from the Internet.*

A covering letter

Task A - Read the following covering letter from an industrial mechanic. The paragraphs of the text have been jumbled. Put them into the correct order, then write the letters (A-F) next to the numbers (1-6) below.

56 Béke út
Nyíregyháza, 4400

15 June 2022

The Personnel Manager
Industrial Tools Ltd.
Budapest, XI. 1116
30 Folyó út

Dear Sir/Madam,

A

You can see from my CV that I am a 17-year-old career entrant. I finished vocational school in June and I gained the necessary skills and training. I passed my final vocational exam with good results.

B

In my free time, if the weather is nice, I prefer being outside. I enjoy running and riding my bicycle. Doing sports is good for me because I can stay physically fit. At home, I enjoy listening to music online.

C

I believe these skills and qualities make me suitable for the job. I hope you will consider my CV. I am available for an interview whenever it is convenient for you. I look forward to hearing from you soon.

D

I am writing to apply for the position of industrial mechanic. I saw your advertisement on the Internet last week.

E

During my vocational training, I performed soldering, welding and other metallurgical works which I enjoyed. I have gained valuable experience in machine assemblies, set-ups and installations. At my dual training place, I practised arc welding and I learnt how to operate the manual lathe, milling machine and grinder. Also, I could detect malfunctions and repair machine units successfully.

F

I believe I have good problem-solving and communication skills. For example, at school, I could encourage my classmates to take part in a school project. I also like learning English and I am planning to improve my language skills in the future. In addition, I see myself as a motivated and flexible person who would like to contribute to the success of the factory.

Yours faithfully,

Péter Kovács

Your answer: 1-....., 2-....., 3-....., 4-....., 5-....., 6-.....

Task B – *Imagine that you are applying for the position of industrial mechanic. Write your covering letter in which you:*

- *say why you are writing the letter*
- *introduce yourself*
- *provide information about your skills, personality, interests*
- *say why you are suitable for the job*

You can use the phrases and ideas from the covering letter above.

Small talks

Task A - At the job interview

1. In the following interview with Péter Kovács, an industrial mechanic, some questions have been removed. Read the text and match the questions with the answers. Write the letters of the missing lines (A-H) next to the correct numbers (1-8).

A (applicant): Good morning!

B (personnel manager): Good morning! Come in, please!

A: I'm Péter Kovács. I'm here about the job of industrial mechanic.

B: Take a seat, please! My name is János Papp and I'm the Personnel Manager of the company. Tell me about yourself, please!

A: I finished my vocational school in June. Now I am looking for my first job. I gained the necessary skills and knowledge during my vocational training. I studied at Inczedy György Vocational School in Nyíregyháza.

B: All right. 1)

A: I am more interested in a full-time position.

B: Right. 2)

A: No, but in summers I helped my family on our farm, I picked sour cherries. I learnt how to be responsible and hardworking, and I think this experience will help me in the future.

B: 3)

A: At first, I would like to get work experience in my field and I am certain, I can use my skills at this workplace. Next, your company offers further training for young employees. In this way, I can develop in my career.

B: Right.

A: What are the hours of work? **4)**

B: No, you don't. We start at 8 in the morning and finish at 4 in the afternoon.

A: That's good. **5)**

B: No, you won't. 6)

A: Well, I am good at assembling and installing machines and equipment. Next, I have some experience in maintenance works, I can repair, replace parts or select spare parts from the catalogue. I also enjoy performing soldering and welding. I see myself as a motivated person and I'll try to do my best at your company. I am also flexible and ready to develop myself.

B: I see. 7)

A: I am fond of outdoor sports, especially running and cycling. They help me to keep in shape and stay healthy. I used to spend a lot of time surfing the net and playing online but now I am trying to do different outdoor activities. At weekends I sometimes go on a hike or for a walk when I can meet my friends. Also, I enjoy listening to music online. It makes me feel relaxed and calm.

B: Right. 8)

A: I can say that I prefer working in a team. I can cooperate with others and listen to their problems. I am sociable and feel free to share my ideas with people or ask for help if I need it.

B: Thank you very much. Well, I think we're done. You will hear from us in a week.

A: Thank you. I would be glad to have an opportunity to work for your company. Goodbye!

B: Goodbye!

- A) Can you speak about your strengths?
- B) Why do you want this job?
- C) Do I have to work in shifts?
- D) Did you take on a job during your studies?
- E) What do you usually do in your free time?
- F) Do you like working alone?
- G) Are you interested in a full-time or part-time position?
- H) Will I have to work on Saturdays?

2. Role play. Now talk in pairs and act out a job interview. You can use the phrases and ideas from the interview above.

Student A: Imagine that you are applying for a job and Student B is interviewing you. You are an industrial mechanic. Answer his questions.

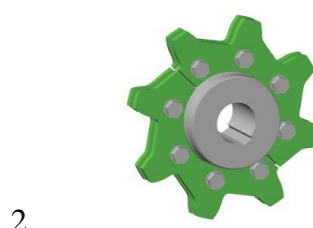
Student B: Imagine that you are a personnel manager and Student A is applying for the job in the company you work for. Interview him.

The applicant should include the following points:

- Introduction
- Key skills and strengths
- Working in a team
- Hobbies

Task B - In the factory

1. What can you see in the pictures?



2. Read the following dialogue in which a **maintenance group leader** and an **industrial mechanic** are talking to each other. Some sentences are missing from the text. Your task is to complete the dialogue with the missing lines. Write the letters (A-F) next to the numbers (1-6) on the dotted lines.

Repairing the chain conveyor

A (*industrial mechanic*): Good morning!

B (*maintenance group leader*): Good morning! I have examined the condition of this chain conveyor and I've noticed that it has some damages. At first, one of the cover plates has cracked. It needs changing or repairing.

A: 1)

B: All right. Also, I have heard some kind of strange noise from the chain conveyor. Can you check it?

A: 2)

B: Is it a complex task?

A: 3)

B: Do you need a lot of time to repair it?

A: 4)

B: OK. Can you also check the pneumatic centering device of the chain conveyor?

A: 5)

B: It seems that it isn't positioning the products, which are running on the belt, in the middle.

A: 6)

B: Alright. Please, let me know when you are ready or if you need any help.

A: Thank you. Goodbye!

B: You're welcome. Goodbye!

- A) Right. I'll check the adjustment of the pneumatic cylinders or I'll search for the cause of the problem.
- B) I see. If the welding doesn't affect the operation of the machine, I can weld it as a quick and cheap solution.
- C) Yes, certainly. Probably, there will be a problem with the chain tension. We may need to tighten the chain.
- D) No, it isn't.
- E) Of course. What problem have you experienced?

- F)** If there is a problem with one of the sprockets, the fixing will take more time because I'll have to remove the complete driver shaft.



centering station

3. Role play. Talk in pairs. Act out the conversation. You can use the phrases and ideas from the dialogue above.

Student A: Imagine that you are an industrial mechanic who works in a factory. You talk to Student B who is a maintenance group leader. He noticed some problems with the chain conveyor. You are asked to repair it.

You can include the following points:

- you can weld the cover plate
- you will tighten the chain
- you may remove the complete driver shaft
- you will check the adjustment of the pneumatic cylinders

Student B: Imagine that you are a maintenance group leader. You talk to Student A who is an industrial mechanic. You speak about some problems with the chain conveyor and ask him to repair it.

You can include the following points:

- *problems:* the cover plate has cracked/ you hear a strange noise/the pneumatic centering device isn't positioning the products in the middle
- ask him if the tightening of the chain is a complex task
- ask him if he needs a lot of time to tighten the chain
- ask him to check the pneumatic centering device

Occupational health and safety

Task A - Look at the safety signs then complete the sentences with the correct words from the list below.

Industrial Safety Symbols



1. Wear eye goggles to eye injuries.



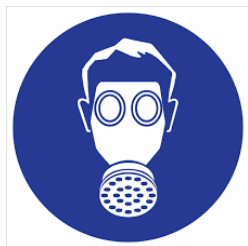
2. Useto prevent head injuries from falling overhead.



3. Weargloves to protect your hands from possible hazards.



4. Wear protective ear shields to preventinjuries.



5. Wear a respirator that protects you from dangerous chemicals.



6. Wear safety shoes that prevent yourfrom injuries.



7. You are advised to wear protective



8. This sign alerts workers to the machine during any repairs.

(inhaling, clothing, feet, helmets, protective, prevent, disconnect, noise-related)

Task-B- Match the prohibition signs (1-5) with their meanings (a-e).



1.



2.



3.



4.



5.

- a. Do not touch men working
- b. No admittance, Authorized personnel only
- c. No naked light
- d. Do not oil, clean or use the machine whilst in motion
- e. No forklift trucks

Wordlist

1. assembly hall – szerelőcsarnok
2. axle - tengely (álló)
3. bearing - csapágy
4. breakdown - meghibásodás
5. cast iron - öntöttvas
6. chain conveyor - láncos szállítószalag
7. component - alkatrész
8. compressor - kompresszor
9. cylindrical grinding machine - palástkőszörűgép (körkőszörűgép)
10. drilling - fúrás
11. equipment - berendezés
12. fabrication - gyártás, készítés, összeszerelés
13. forging - kovácsolás
14. gas welding - gáz (láng) hegesztés
15. gear drive - fogaskerék hajtás
16. gear wheel - fogaskerék
17. grinding - köszörülés
18. hand tool/ power tool - kéziszerszám/ elektromos kéziszerszám
19. hand/ machine riveting - kézi/ gépi szegecseles
20. industrial mechanic - ipari gépész
21. lathe - esztergapad
22. lathe work/ turning - esztergálás
23. machine - gép, munkagép
24. machine assembly - gépszereles
25. machine element - gépelem
26. machine set-up - gépbeállítás
27. machinery - gépezet, szerkezet, gépfelszerelés
28. maintenance - karbantartás
29. manual/ automatic processing machine - kézi/ gépi forgácsoló berendezés
30. metal - fém
31. metalworking - képlékeny alakítás, fémmegmunkálás
32. milling - marás
33. milling machine - marógép
34. nut - csavaranya
35. manual - kézikönyv
36. part (of a machine) - alkatrész
37. protective clothing - védő ruházat
38. pump - szivattyú

39. quality control - minőségellenőrzés
40. screws and bolts - csavarok
41. shaft - tengely (forgó)
42. soldering - forrasztás
43. spare part - pótalkatrész
44. sprocket - lánckerék
45. steel - acél
46. technical drawing - műszaki rajz
47. to (dis)assemble - (szét)szerel
48. to fabricate - gyárt
49. to grind - köszörül
50. to install - üzembe helyez
51. to machine - géppel megmunkál
52. to monitor - figyel, nyomon követ, ellenőriz
53. to perform - végez
54. to repair - javít
55. to replace - cserél
56. to weld - hegeszt
57. washer - alátét
58. welding head shield/helmet - hegesztő fejpajzs/sisak
59. welding torch - hegesztő pisztoly
60. workpiece - munkadarab

References

Reading

adapted from:

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Small talks

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<https://safetybox.co.uk/no-fork-lift-trucks-symbols-square-sign> (utolsó letöltés: 2021. 07. 27.)

<https://safetybox.co.uk/do-not-oil-clean-or-use-this-machine-in-motion-sign> (utolsó letöltés: 2021. 07. 27.)

<https://safetybox.co.uk/no-naked-lights-prohibition-warning-sign> (utolsó letöltés: 2021. 07. 27.)

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<https://safetybox.co.uk/men-working-do-not-touch-prohibition-sign> (utolsó letöltés: 2021. 07. 27.)