

# Power Engineering types of bearing lubrication

PE

Author: Sam Luong

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## 4. Chapter: Power Engineering types of bearing lubrication

### 1. Power Engineering types of bearing lubrication Questions

#### 4.1.1. Lubricating oil can act as a sealant when used in a/an:

Author: Sam Luong

Lubricating oil can act as a sealant when used in a/an:

Please choose only one answer:

- Overspeed trip
- Compressor cylinder wall
- Pump impeller
- Rotary compressor
- Antifriction bearing

Check the answer of this question online at QuizOver.com:

Question: [Sam Luong Lubricating oil can act as a sealant when used in a/an:](#)

Flashcards:

<http://www.quizover.com/flashcards/sam-luong-lubricating-oil-can-act-as-a-sealant-when-used-in-a-an?pdf=1606>

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#### 4.1.2. In a bearing, the lubricant reduces the heat produced by

Author: Sam Luong

In a bearing, the lubricant reduces the heat produced by

Please choose only one answer:

- Friction reduction
- Corrosion reduction
- Proper sealing
- Wear reduction
- Shock absorption

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Sam Luong In a bearing, the lubricant reduces the heat produced by](#)

Flashcards:

<http://www.quizover.com/flashcards/sam-luong-in-a-bearing-the-lubricant-reduces-the-heat-produced-by?pdf=1606>

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#### 4.1.3. When grease is used in an antifriction bearing, the bearing housing...

Author: Sam Luong

When grease is used in an antifriction bearing, the bearing housing should not be filled more than \_\_\_\_\_ full.

Please choose only one answer:

- 1/4
- 3/4
- 1/3
- completely
- 1/2

Check the answer of this question online at QuizOver.com:

Question: [Sam Luong When grease is used in an antifriction bearing, the bearing housing should not be filled m](#)

Flashcards:

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#### 4.1.4. When inspect a dismantled bearing, the first indication of a failin...

Author: Sam Luong

When inspect a dismantled bearing, the first indication of a failing bearing is:

Please choose only one answer:

- cracked balls
- rust or corrosion
- discoloration
- tapered rollers
- roughness

Check the answer of this question online at QuizOver.com:

Question: [Sam Luong When inspect a dismantled bearing, the first indication of a failing bearing is:](#)

Flashcards:

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#### 4.1.5. Thrust bearings:

1. Are used on reaction turbines
2. Prevent the turbine rotor from moving axially
3. Are always ...

Author: Sam Luong

Thrust bearings:

1. Are used on reaction turbines
2. Prevent the turbine rotor from moving axially
3. Are always installed on both ends of the rotor shaft
4. Are lubricated with the same oil as the main bearings

Please choose all the answers that apply:

- 1234
- 134
- 234
- 124
- 123

Check the answer of this question online at QuizOver.com:

Question: [Sam Luong Thrust bearings:](#)

[1. Are used on reaction turbines](#)

[3. Are always installed on both ends](#)

Flashcards:

<http://www.quizover.com/flashcards/sam-luong-thrust-bearings-1-are-used-on-reaction-turbines-3-are-always-installed-on-both-ends?pdf=1606>

Interactive Question:

<http://www.quizover.com/question/sam-luong-thrust-bearings-1-are-used-on-reaction-turbines-3-are-always-installed-on-both-ends?pdf=1606>

#### 4.1.6. the proper way to store a bearing after cleaning is to dip it in a ...

Author: Sam Luong

the proper way to store a bearing after cleaning is to dip it in a \_\_\_\_\_ preventative and wrap it in grease-proof paper.

Please choose only one answer:

- Chemical
- rust
- gas
- moisture
- air

Check the answer of this question online at QuizOver.com:

Question: [Sam Luong the proper way to store a bearing after cleaning is to dip it in a \\_\\_\\_\\_\\_ preventative and](#)

Flashcards:

<http://www.quizover.com/flashcards/sam-luong-the-proper-way-to-store-a-bearing-after-cleaning-is-to-dip-it-in-a-preventative-and?pdf=1606>

Interactive Question:

<http://www.quizover.com/question/sam-luong-the-proper-way-to-store-a-bearing-after-cleaning-is-to-dip-it-in-a-preventative-and?pdf=1606>

#### 4.1.7. The most common cause of lubrication problems in anti-friction bear...

Author: Sam Luong

The most common cause of lubrication problems in anti-friction bearings is:

Please choose only one answer:

- Lack of attention
- Over lubrication
- Improper additives in lubricants
- Oversized ball bearing races
- Contaminated lubricant

Check the answer of this question online at QuizOver.com:

Question: [Sam Luong The most common cause of lubrication problems in anti-friction bearings is:](#)

Flashcards:

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#### 4.1.8. Viscosity index scale for oil ranges from:

Author: Sam Luong

Viscosity index scale for oil ranges from:

Please choose only one answer:

- 100 to 1000
- 0-1000
- 0-10
- 10-100
- 0-100

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Sam Luong Viscosity index scale for oil ranges from:](#)

Flashcards:

<http://www.quizover.com/flashcards/sam-luong-viscosity-index-scale-for-oil-ranges-from?pdf=1606>

Interactive Question:

<http://www.quizover.com/question/sam-luong-viscosity-index-scale-for-oil-ranges-from?pdf=1606>

#### 4.1.9. Fluid film lubrication:

Author: Sam Luong

Fluid film lubrication:

Please choose only one answer:

- Removes all friction in the bearing
- Is used during low ambient temperature conditions
- Is used for heavy loads
- Is used for light loads
- is used in all anti-friction bearings

Check the answer of this question online at QuizOver.com:

Question: [Sam Luong Fluid film lubrication:](#)

Flashcards:

<http://www.quizover.com/flashcards/sam-luong-fluid-film-lubrication?pdf=1606>

Interactive Question:

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4.1.10. The viscosity of oil is expressed in units abbreviated by:

Author: Sam Luong

The viscosity of oil is expressed in units abbreviated by:

Please choose only one answer:

- sru
- srv
- ssu
- sas
- ssb

Check the answer of this question online at QuizOver.com:

Question: [Sam Luong The viscosity of oil is expressed in units abbreviated by:](#)

Flashcards:

<http://www.quizover.com/flashcards/sam-luong-the-viscosity-of-oil-is-expressed-in-units-abbreviated-by?pdf=1606>

Interactive Question:

<http://www.quizover.com/question/sam-luong-the-viscosity-of-oil-is-expressed-in-units-abbreviated-by?pdf=1606>

4.1.11. Synthetic oils have the desirable properties of being:

1. Resistan...

Author: Sam Luong

Synthetic oils have the desirable properties of being:

1. Resistant to sludge 3. Resistant to oxidation

2. Cheap 4. Highly viscous

Please choose only one answer:

- 24
- 14
- 12
- 13
- 23

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: Sam Luong Synthetic oils have the desirable properties of being:

1. Resistant to sludge 3. Resistan

Flashcards:

<http://www.quizover.com/flashcards/sam-luong-synthetic-oils-have-the-desirable-properties-of-being-1-resistant-to-sludge-3-resistan?pdf=1606>

Interactive Question:

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#### 4.1.12. A collar thrust bearing:

1. Can support more load than a Michell t...

Author: Sam Luong

A collar thrust bearing:

1. Can support more load than a Michell thrust bearing
2. Can prevent a rotating shaft from moving in an axial direction
3. Has boundary lubrication
4. Is an antifriction type bearing

Please choose only one answer:

- 1234
- 123
- 124
- 23
- 34

Check the answer of this question online at QuizOver.com:

Question: Sam Luong A collar thrust bearing:

[1. Can support more load than a Michell thrust bearing](#)

[3. Has](#)

Flashcards:

<http://www.quizover.com/flashcards/sam-luong-a-collar-thrust-bearing-1-can-support-more-load-than-a-michell-thrust-bearing-3-has?pdf=1606>

Interactive Question:

<http://www.quizover.com/question/sam-luong-a-collar-thrust-bearing-1-can-support-more-load-than-a-michell-thrust-bearing-3-has?pdf=1606>

#### 4.1.13. Aluminum base greases are not suitable for use with temperatures ex...

Author: Sam Luong

Aluminum base greases are not suitable for use with temperatures exceeding:

Please choose only one answer:

- 101
- 71
- 82
- 212
- 121

Check the answer of this question online at QuizOver.com:

Question: [Sam Luong Aluminum base greases are not suitable for use with temperatures exceeding:](#)

Flashcards:

<http://www.quizover.com/flashcards/sam-luong-aluminum-base-greases-are-not-suitable-for-use-with-temperatures-exceeding?pdf=1606>

Interactive Question:

<http://www.quizover.com/question/sam-luong-aluminum-base-greases-are-not-suitable-for-use-with-temperatures-exceeding?pdf=1606>

#### 4.1.14. Large journal or sleeve bearings have grooves:

Author: Sam Luong

Large journal or sleeve bearings have grooves:

Please choose only one answer:

- In the non-pressure area
- In the high pressure area of the bearing babbit
- Cut in them for cooling purposes
- For distributing lubricant evenly just after the pressure area
- Cut into the bearing housing

Check the answer of this question online at QuizOver.com:

Question: [Sam Luong Large journal or sleeve bearings have grooves:](#)

Flashcards:

<http://www.quizover.com/flashcards/sam-luong-large-journal-or-sleeve-bearings-have-grooves?pdf=1606>

Interactive Question:

<http://www.quizover.com/question/sam-luong-large-journal-or-sleeve-bearings-have-grooves?pdf=1606>

4.1.15. After a bearing has been removed for cleaning, it should be soaked ...

Author: Sam Luong

After a bearing has been removed for cleaning, it should be soaked for a period of \_\_\_\_\_ hours.

Please choose only one answer:

- 10 to 12
- 12 to 14
- 14 to 16
- 12 to 16
- 15 to 16

Check the answer of this question online at QuizOver.com:

Question: [Sam Luong After a bearing has been removed for cleaning, it should be soaked for a period of \\_\\_\\_\\_\\_ h](#)

Flashcards:

<http://www.quizover.com/flashcards/sam-luong-after-a-bearing-has-been-removed-for-cleaning-it-should-be-soaked-for-a-period-of-h?pdf=1606>

Interactive Question:

<http://www.quizover.com/question/sam-luong-after-a-bearing-has-been-removed-for-cleaning-it-should-be-soaked-for-a-period-of-h?pdf=1606>

#### 4.1.16. Oils with a low pour point should be used in:

Author: Sam Luong

Oils with a low pour point should be used in:

Please choose only one answer:

- Cold climates
- Temperatures of a climate that does not matter
- High humidity situations
- Climates that have drastic temperature changes
- Hot climates

Check the answer of this question online at QuizOver.com:

Question: [Sam Luong Oils with a low pour point should be used in:](#)

Flashcards:

<http://www.quizover.com/flashcards/sam-luong-oils-with-a-low-pour-point-should-be-used-in?pdf=1606>

Interactive Question:

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#### 4.1.17. lubricant characteristic that will indicate its ability to support ...

Author: Sam Luong

lubricant characteristic that will indicate its ability to support a heavy load at low speed is:

Please choose only one answer:

- Density
- Viscosity index
- Relative density
- Pour point
- Viscosity

Check the answer of this question online at [QuizOver.com](http://www.quizover.com):

Question: [Sam Luong lubricant characteristic that will indicate its ability to support a heavy load at low spe](#)

Flashcards:

<http://www.quizover.com/flashcards/sam-luong-lubricant-characteristic-that-will-indicate-its-ability-to-support-a-heavy-load-at-low-spe?pdf=1606>

Interactive Question:

<http://www.quizover.com/question/sam-luong-lubricant-characteristic-that-will-indicate-its-ability-to-support-a-heavy-load-at-low-spe?pdf=1606>

#### 4.1.18. An antifriction bearing:

Author: Sam Luong

An antifriction bearing:

Please choose only one answer:

- Could be a thrust bearing
- Is a bearing containing white metal alloy
- Is used when rotation speed is high
- Is used for large applications only
- Is a sleeve bearing

Check the answer of this question online at QuizOver.com:

Question: [Sam Luong An antifriction bearing:](#)

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<http://www.quizover.com/question/sam-luong-an-antifriction-bearing?pdf=1606>

#### 4.1.19. A shell type bearing is:

Author: Sam Luong

A shell type bearing is:

Please choose only one answer:

- Used for heavy loads
- Used as a thrust bearing
- An anti-friction bearing
- Always lubricated with a solid lubricant
- Always lubricated with grease

Check the answer of this question online at QuizOver.com:

Question: [Sam Luong A shell type bearing is:](#)

Flashcards:

<http://www.quizover.com/flashcards/sam-luong-a-shell-type-bearing-is?pdf=1606>

Interactive Question:

<http://www.quizover.com/question/sam-luong-a-shell-type-bearing-is?pdf=1606>



4.1.20. In a forced lubrication system, a pump supplies oil \_\_\_ for the bear...

Author: Sam Luong

In a forced lubrication system, a pump supplies oil \_\_\_ for the bearings

Please choose only one answer:

- To a drip feeder
- To an oil sump
- To a wetted wick
- Under pressure
- By gravity

Check the answer of this question online at QuizOver.com:

Question: [Sam Luong In a forced lubrication system, a pump supplies oil \\_\\_\\_ for the bearings](#)

Flashcards:

<http://www.quizover.com/flashcards/sam-luong-in-a-forced-lubrication-system-a-pump-supplies-oil-for-the-bearings?pdf=1606>

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4.1.21. Solid lubricants are used:

1. For low load application 3. Where ch...

Author: Sam Luong

Solid lubricants are used:

1. For low load application 3. Where chemical contact is possible

2. For high temperature applications 4. For electrical equipment

Please choose only one answer:

- 1 3
- 234
- 23
- 12
- 123

Check the answer of this question online at QuizOver.com:

Question: Sam Luong Solid lubricants are used:

1. For low load application 3. Where chemical

Flashcards:

<http://www.quizover.com/flashcards/sam-luong-solid-lubricants-are-used-1-for-low-load-application-3-where-chemical?pdf=1606>

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#### 4.1.22. One of the main functions of the lubricant in a sealed, grease type...

Author: Sam Luong

One of the main functions of the lubricant in a sealed, grease type anti-friction bearing is:

Please choose only one answer:

- Cooling
- Surface separation
- Wear reduction
- Shock absorption
- Sealing

Check the answer of this question online at QuizOver.com:

Question: [Sam Luong One of the main functions of the lubricant in a sealed, grease type anti-friction bearing](#)

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Interactive Question:

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#### 4.1.23. A thrust bearing:

Author: Sam Luong

A thrust bearing:

Please choose only one answer:

- Is to prevent vibration of the shaft
- Is to prevent axial movement of the shaft
- Is to prevent radial movement of the shaft
- Must be installed on both ends of the shaft
- Is to prevent shaft scoring

Check the answer of this question online at QuizOver.com:

Question: [Sam Luong A thrust bearing:](#)

Flashcards:

<http://www.quizover.com/flashcards/sam-luong-a-thrust-bearing?pdf=1606>

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