

Demo PDF file. This file includes questions: 10 from 124. Full version of file looks the same as demo, but full version includes all questions. You may download file with all questions by link on bottom of this page

Type II

This section will enable you to service or dispose of medium- to very high-pressure appliances, except in applications such as small appliances or air conditioners within motor vehicles.

1. Which of the following always falls under the EPA definition for "major maintenance, service, or repair?"

- Replacing an oil filter
 - Replacing an expansion valve
 - **Replacing a compressor**
 - Replacing an accumulator
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2. Recovering refrigerant from a system in the vapor phase will minimize the loss of which of the following?

- water
 - **oil**
 - refrigerant
 - non-condensables
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3. After system servicing, and recharging, why is refrigerant vapor reintroduced to the chiller before refrigerant liquid?

- Vapor charging increases pressure slowly, preventing failure of the rupture disk.
 - Vapor charging is faster than liquid charging.
 - Liquid charging is more difficult to control than vapor charging.
 - **Liquid charged into a deep vacuum will evaporate and may lower the temperature freezing water in the heat exchanger tube bundle.**
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4. In the event of a large release of CFC, HCFC, or HFC refrigerant in a contained area which of the following is true?

- Safety goggles and lined butyl gloves are sufficient.
 - **Self-contained breathing apparatus (SCBA) or leaving the area is required.**
 - Respiratory protection is not required.
 - Dust masks are sufficient.
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5. A comfort-cooling appliance containing 50 pounds or more of R-22 is found to be leaking beyond the applicable leak rate threshold. Unless granted additional time, how many days do you have to repair the leak and conduct the initial leak verification test?

- 1 day
- 10 days
- **30 days**
- 45 days

6. What are refrigeration and air-conditioning compressor heaters used for?

- To reduce the amount of refrigerant in the oil.
 - To prevent refrigerant vaporization.
 - To reduce the amount of entrained water in the receiver.
 - To prevent acid pitting.
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7. What is a characteristic of a refrigerant oil that is hygroscopic?

- It is a good lubricant.
 - It is crude oil and unrefined.
 - It readily absorbs moisture.
 - It can be left open to ambient air.
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8. An appliance normally containing more than 50 pounds of R-22 refrigerant was found to have a 35% annual leak rate. After the repair, how many successful verification tests are required?

- One. Performed before the appliance is recharged.
 - Two. The first performed before the appliance is recharged, and the second performed after the appliance returns to normal operating conditions.
 - One. Performed once the appliance returns to normal operating conditions.
 - Three. The first performed before the appliance is recharged, the second performed after the appliance returns to normal operating conditions, and the third performed three months later.
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9. Which of the following should be replaced if a system is opened for servicing?

- Filter drier
 - Thermostat
 - Metering device
 - Crankcase heater
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10. What must a system owner do, once the threshold leak rate has been exceeded on any low-pressure system using an ozone depleting refrigerant?

- Retire the appliance the following year.
 - Repair all of the leaks and submit a report about the repair to the EPA.
 - Immediately mothball the appliance until it is retrofitted.
 - Repair the appliance enough to bring the leak rate below the threshold, retrofit, or retire the appliance.
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