

## **EPA 608 TYPE II- Mainstream Engineering Exam 2023**

Look for \_\_\_\_\_ when trying to find a leak in a system. - ANSWER oil residue

For a belt-driven non-hermetic compressor system, the \_\_\_\_\_ is most likely to leak if the system has not been operated for several months. - ANSWER shaft seal

What is an acceptable trace gas? - ANSWER Nitrogen with a trace amount of the system's design refrigerant

\_\_\_\_\_ indicates low charge in a high-pressure system with a capillary tube - ANSWER Excessive superheat

After buttoning up any system, the next step is to \_\_\_\_\_. - ANSWER pressurize with nitrogen and leak check

Soap bubbles are best used to \_\_\_\_\_. - ANSWER pin point refrigerant leaks

When planning on using a refrigerant leak detector, an R-407C system should be leak checked with \_\_\_\_\_. - ANSWER pressurized nitrogen and a trace amount of R-407C

After January 1, 2019, any commercial refrigeration systems containing 50 pounds or more of refrigerant must be repaired if the leak rate exceeds \_\_\_\_\_. - ANSWER 20 percent or more per year of the normal charge

A supermarket rack refrigeration system containing 600 pounds of refrigerant had a significant leak and you have successfully repaired the leak and perform a successful initial leak verification test. When must the follow up leak verification test be performed? - ANSWER Within 10 days

When the 30-day repair window has expired and you have to request a time extension from the EPA, what CANNOT be used as a reason to extend the deadline? - ANSWER A service technician is not available.

What must an owner of a commercial refrigeration appliance with a charge of 2000 pounds of R-22 do when the leak rate threshold has been exceeded? - ANSWER Take further action by repairing, retiring, mothballing, or retrofitting the appliance.

# Mainstream Engineering Study Guide

**Wolfgang Guggemos**



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