

Exhaust requirements for generator oil storage room

What are the code requirements for generator exhaust?

To investigate code requirements for generator exhaust it is important to start by reviewing the International Mechanical Code (IMC). Section 915 of IMC 2018 regarding Engine and Gas Turbine-Powered Equipment and Appliances is applicable stating: 915.1 General.

What are the requirements & standards for engine-generators?

This guideline defines the requirements and standards for design of engine-generators and associated system components. The guideline covers basic requirements for design, system components, controls, natural gas fuel systems, exhaust systems, automatic transfer switches (ATSs), room construction, outdoor enclosures and installation.

Does a generator need a ventilation system?

For generators located indoors, ventilation must be considered, heat from engine radiator, alternator, and exhaust system must be vented to atmosphere to obtain proper room temperature. The room in which the generator is located must have a two-hour fire rating addressed by the ventilation system.

Does high temperature pressurized generator exhaust meet code requirements?

UL listed products utilized for high temperature pressurized generator exhaust meet code requirements. To investigate code requirements for generator exhaust it is important to start by reviewing the International Mechanical Code (IMC). Section 915 of IMC 2018 regarding Engine and Gas Turbine-Powered Equipment and Appliances is applicable stating:

What are the installation requirements for a generator?

Chapter 7 defines installation requirements of both the generator and supporting systems. Design considerations must be made when building an emergency power system that operates in extreme weather conditions. Such as, a generator must be located in an area not subject to flooding.

Do generator exhaust systems need to be insulated?

Generator exhaust systems are insulated to reduce the amount of heat radiated to the mechanical space, chase, and chimney. Based on the system routing, a risk of direct contact to the system by maintenance or repair personnel must also be considered. The maximum exhaust gas temperature determines the amount of insulation required.

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