

L.O.1-CONFINED SPACES - HAZARD IDENTIFICATION- QUESTIONS:

a. What is the most common hazard in the enclosed spaces of a steel ships void compartments?

b. Ships holds, vats or silos that are used to store vegetables, grains or other organic materials may be contaminated by:

c. List four possible operational contaminants of a vessels engine room.

d. Other than suffocation, what is a significant risk within a enclosed engine room.

e. Describe the hazards you would anticipate in the store rooms and enclosed spaces of your vessel immediately after return to service after refit or restoration.

f. After a busy day of smoky cars & lorries loading on the vehicle deck, you have a headache as you descend to the engine room to shut down. What is a possible risk in your action?

g. Name the high risk compartments of your vessel and their possible hazards.

L.O.1- HAZARD IDENTIFICATION- ANSWERS:

- a. Poor atmospheric quality resulting from the rusting process.
- b. Build up of toxic gases by micro-organisms and in particular hydrogen sulphide.
- c. Build up of poisonous gases due to contamination by operational equipment (exhaust, oil fumes, methane) or emergencies (chlorine from swamped batteries, fire extinguishers).
- d. Build up of explosive gases (fuel oil vapours, hydrogen and LPG) and the dangers of naked lights, sparking and static.
- e. Residual toxic fumes from paints and solvents after restoration works.
- f. Contamination by external operation such as vehicle/portable machinery exhausts or spillage or the release from fire extinguishers.
- g. Enclosed spaces, voids, storerooms, coffer dams , etc.

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