Hyper mist system solas regulation

What is hyper mist / high pressure fog fire fighting system?
The hyper mist or high pressure fog fire fighting system is installed for all important ship's machinery systems in the engine room(ME. AE,Purifier,Boiler etc.). The high-pressure water mist/fog system provides water mist protection during emergencies to engine room areas and machinery spaces.

What is a high-pressure water mist/fog system?
The high-pressure water mist/fog system provides water mist protection during emergencies to engine room areas and machinery spaces. This system is independent of any other fixed fire fighting system such as foam or CO2 system. Following are the most common areas covered by water mist system:

What conditions must be maintained for hyper mist water pump operation?
The following conditions must be maintained at all times to ensure hyper mist system is on stand by for operation: Make sure the power supply is available. The fire alarm system must be in operation. Drain and test valves must be closed. The area around the Hyper mist water pump must be clear of any obstructions. Stopping:

What IMO documents are relevant to water mist systems on ships?
There are two key IMO documents that are relevant to water mist systems on ships: SOLAS,the International Convention for the Safety of Life at Sea. SOLAS is a maritime treaty that sets the minimum safety requirements for merchant ships. FFS Code,International Code for Fire Safety Systems.

Are Hi-fog high-pressure water mist systems as efficient as traditional sprinkler systems?
However,there were no guidelines other than for traditional sprinkler systems. We had to prove that our HI-FOG high-pressure water mist systems,which used less water and had smaller pipes,could be just as efficientas traditional sprinkler systems.

Can a water mist system be started manually?
Manual Start: Water mist system can be started manuallyfrom the control panel and from the local points whenever needed,independent of the fire alarm system. The following conditions must be maintained at all times to ensure hyper mist system is on stand by for operation: Make sure the power supply is available.

continues to satisfy the requirements of 2.2.1 of chapter 5 of the Fire Safety Systems (FSS) Code, subject to SOLAS regulation II-2/14.2; and iii. the discharge piping and nozzles should be tested to verify that they are not blocked. The test should be performed by isolating the discharge piping from the system and

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The hypermist system is a fire suppression system that is commonly used on board ships. It is designed to quickly extinguish any fires that may occur on the vessel, thereby preventing damage to the ship and potentially saving lives. The system works by using a special mist that is generated by high-pressure water pumps.

maintenance, testing and inspections in accordance with SOLAS regulation II-2/14.2.2.1 on or after 31 May 2013 and bring the annexed Guidelines to the attention of shipowners, shipmasters, ... 5.4 Water mist, water spray and sprinkler systems .1 verify all control, pump unit and section valves are in the proper open or

mist systems reduced the fire size 10-50 percent depending on the system. However, for all the fire sizes, the amount of energy absorbed by the mist was between 30-70 percent of that theoretically released by the fire. The fire"s radiation onto the compartment boundaries was typically attenuated 60-90 percent of that emitted. CONCLUSION

a. a carbon dioxide system, designed to give a minimum volume of free gas equal to 40% of the gross volume of the protected space; b. a dry powder system, designed for at least 0.5 kg powder/m 3; c. a water spraying or sprinkler system, designed for 5 l/m 2 min. Water spraying systems may be connected to the fire main of the ship; or d.

Water mist, water spray and sprinkler systems (MSC Circs. 1432 & 1516) X X X X X X . Wheeled (mobile) Fire-Extinguishers (MSC Circ. 1432) X . X . X . X . KEY: X Required . ... Requirement SOLAS Regulations Service company Crew Ship"s log Intervals Weekly Monthly Annually 3-Monthly 4-Monthly 6-Monthly 2-Yearly 5-

SOLAS 2004 Cite: II-2/10.6.1.1, FSS Code 7/2.1.1.2 ... While High Pressure Water MIST systems are considered equivalent to sprinkler systems [IMO A.800(19)], this limitation is overly restrictive ... satisfies the requirements of the applicable statutes and regulations. If you want to discuss an alternative, you may contact The Marine Safety ...

Related Posts. April 22, 2015 Maintenance of Water Mist Fire Fighting System; March 31, 2015 Water Mist Fire Fighting System; October 17, 2014 List of Fire Protection and Fire Fighting System as per SOLAS; November 9, 2023 Hydraulic Top Bracing System for Main Engine; November 2, 2015 MEO Orals on Marine Electro Technology Function 5- Part 1; April 30, 2014 ...

items for fire protection systems, fire-fighting appliances, and emergency equipment. 2. Application 2.1. This Circular applies to all ships. This information may be used as a basis for the ship"s onboard maintenance plan required by SOLAS regulation II-2/14. 2.2. This Circular will also address maintenance and inspection of fixed carbon dioxide

3.3.2 Intermediate Pressure Water Mist System. A water mist system where the distribution piping is subjected to pressure greater than 1.2 MPa but less than 3.5 MPa. ... Systems designed for marine use shall comply with

the requirements of 14 and the relevant Marine Orders issued by ...

Guidance. Figure 1, below, provides recommendations for Hi-Fog MIST nozzle placement in store rooms and for the maximum allowed storage height. We consider these general rules, to apply ...

The most common areas covered by water mist system > Incinerator room > Auxiliary boiler room > Auxiliary generators > Main engine cylinder head platform > Purifier room > Inert gas generator room > Steering gear room. You can answer Following Questions > Hyper mist fire fighting system on ship is used in which areas? (Imp)

Foreword. Foreword (2017). Purpose . The ABS Rules incorporate many requirements intended to prevent the onset of a fire. However, even with all the preventative measures taken, shipboard fires still occur.

"Water Hyper mist system not readily available for immediate use" In connection to the above, and in order to assist our clients to avoid similar complications, we would like to remind the International Code for Fire Safety Systems Chapter 8, § 2.5.1.1 & § 2.5.1.2 requirements

2.2 Equivalent water mist fire-extinguishing systems . Water mist fire-extinguishing systems for machinery spaces and cargo pump-rooms shall be approved by the Administration based on the ... 1 Refer to Revised Guidelines for approval of sprinkler systems equivalent to that referred to in SOLAS regulation II-2/12 (resolution A.800(19 ...

SOLAS REGULATION:-Cargo ship 2000 GT and above have this system.-M/C space 500 m3 in volume and above required additional fixed fire fighting system. ... -It is very high water mist system which create a water fog which effectively puts out the fire while . Also providing a cooling effect.

High Pressure Water Mist System(Hyper Mist) is for using in machinery spaces of category A (ME. AE, Purifier, Boiler etc.) and cargo pump-rooms equivalent to fire-extinguishing systems required by SOLAS, FSS and MSC/Circ. 1165. As it is a fixed water-based fire fighting system and protect local equipments, so also called Fixed Water-based Local ...

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Hyper Mist System Fixed Fire Fighting System SOLAS Regulation. > Cargo ships 2000 GT and above should have this system. > Machinery space above 500 m3 volume required an additional fixed fire fighting system. > It must have an independent power source or having connection ...

High Pressure Water Mist System(Hyper Mist) is for using in machinery spaces of category A (ME. AE, Purifier, Boiler etc.) and cargo pump-rooms equivalent to fire-extinguishing systems required by SOLAS, FSS

and MSC/Circ. 1165. As it ...

Assess system water quality in the header tank and pump unit against the manufacturer"s water quality guidelines." 3 Paragraph 7.5 is amended to read as follows: "7.5 Water mist, water spray and sprinkler systems .1 verify proper operation of all water mist, water-spray and sprinkler systems using the test valves for each section;

This report provides an evaluation of the firefighting capabilities of fixed pressure water spray systems for machinery spaces as described in Regulation 10 of Safety of Life at Sea (SOLAS). The objective of this evaluation was to determine if a system meeting the minimum SOLAS requirement can provide adequate protection of shipboard machinery spaces. To meet this ...

Unitor XFlow Water Mist System. Since 2012, Wilhelmsen Technical Solutions has supplied the Unitor XFlow water mist fire-fighting system. Unitor XFlow is a state-of-the-art, low pressure water ...

Q. On an oil tanker fixed fire fighting system on-board. Q. On deck what type of system you use? Why only low expansion foam? Why not high expansion foam? And where high expansion foam is used? Q. Hyper mist system. Q. From where do you maintain water supply to Hypermist system? Q. Fire detectors, fire extinguisher/fixed types. Draw the hyper ...

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