

Lessons Learned LL2022 – 5005

Fire on Poop Deck aft Mooring Station

Type of Incident: Fire

Description

While the vessel was in transit, a pre- warning alarm on the aft mooring station was noticed by the Master on the bridge.

The Master sent the Bosun to check the location. The Bosun reported back that heavy smoke and a minor fire was observed on the poop deck from the mooring rope storage drum, at the starboard side rail where the rope was coiled/secured.

The fire team was mobilized, and the vessel's RPM was reduced.

After a few minutes, the fire was extinguished.

The Master communicated with the engine personnel to check the main engine funnel area for any heat penetration. The responsible engineer reported to the bridge that the engine room funnel area only showed minor signs of discoloration on the bulkhead paint.

The Chief Officer reported to Bridge that the fire is out and situation under control.

The passage was resumed, and the vessel's RPM was increased.



Causes (Immediate and Root Cause)

Immediate cause:

Deposits of carbon / soot from the main engine funnel.

Root causes:

Insufficient combustion due to fuel oil injection system causing excess accumulation of carbon in the exhaust boiler. Sudden increases of engine load may release accumulated carbon deposits.

Actions / recommendations:

- Fuel oil injection system to be maintained in good order and Nutshell cleaning of turbocharge for main engine to be completed according to makers instructions
- If canvas is used to protect the stored mooring ropes, fire prevention canvas **shall** be used
- Crew to be observant and keep an eye on carbon / soot dropping on the vessel
- Share this LL with the crew and discuss the event at next GSM.

Questions for discussion

1. Which operational situations or changes of status may lead to similar situations?
2. What other measures would you consider efficient to prevent similar situations to develop to a fire?

Please discuss in the general safety meeting.