

Post-fire examination and testing

The face of the lamp was 40 mm away from the inside of the protective cage and the protective cage was set in 5 mm from the edge of the recess. The timber packs had been tightly stowed to minimise the risk of the cargo shifting at sea. The ends of the timber packs were loaded up against the side of the hold and across the light recesses and would have been about 45-50 mm from the face of the lamps.



Figure 1

Cargo hold light in recess (inset, the reflector lamp)

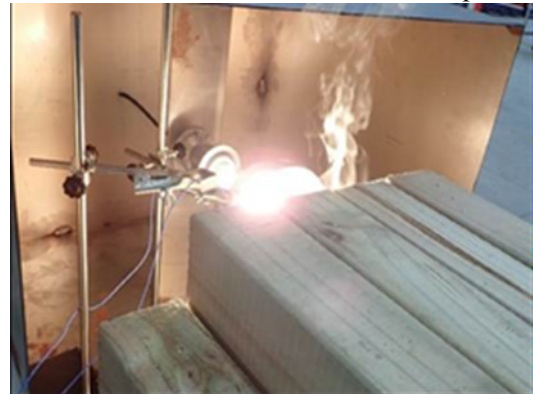


Figure 2

Lamp test set-up

At 40 seconds after rising the surface temperature, the smoke was first seen. At that time the temperature of the lamp was 155°C (degrees Celsius) and the temperature at the surface of the timber was 114°C.

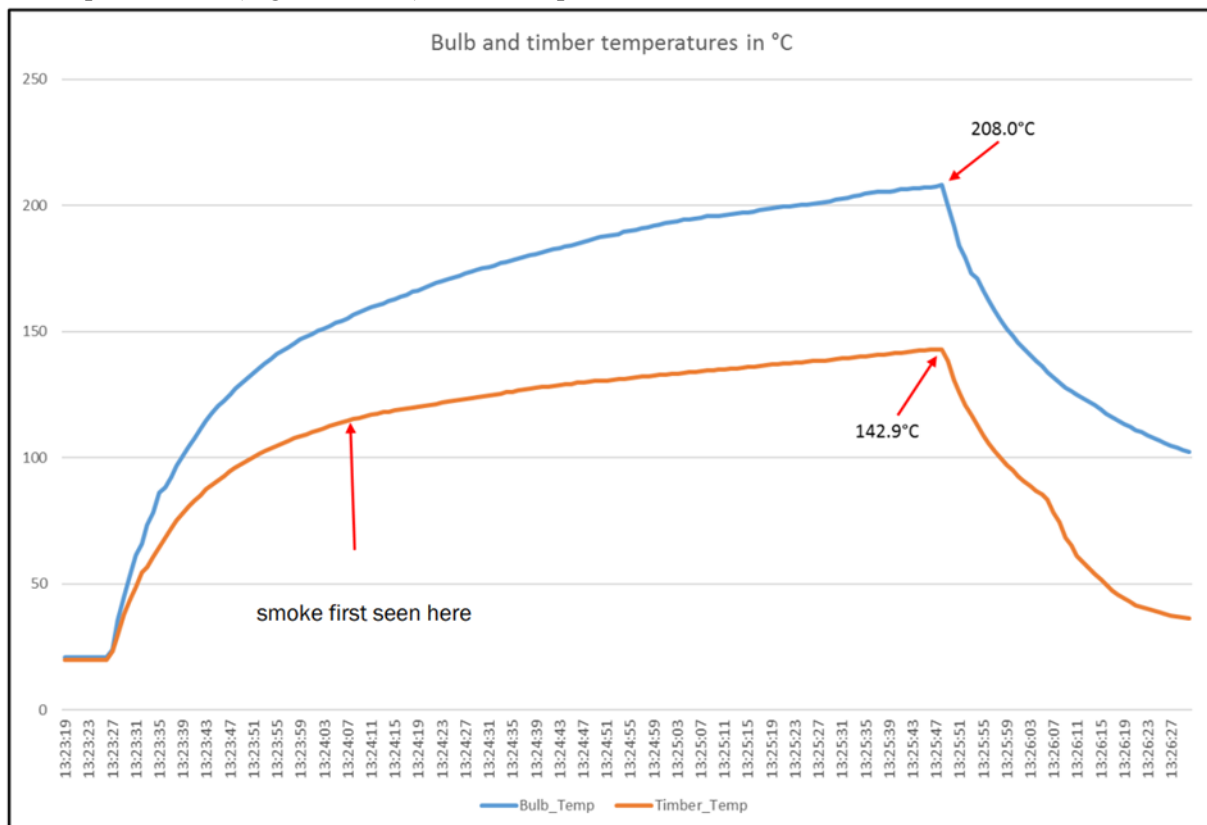


Figure 3 Graph showing temperatures recorded by test thermocouples

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