

Cargo Care Checklist: Coal

ACTION TO BE TAKEN WHEN DEALING WITH COAL CARGO

This checklist should be used in conjunction with the ship operator's procedures and the IMSBC code.

01 PRIOR TO LOADING

Equipment

Vessel equipped with correct equipment for the carriage of coal

Note:

Calibrated and certified gas monitoring equipment fitted with a catalytic sensor available onboard. That can measure methane, oxygen and carbon monoxide in an oxygen-depleted atmosphere.

Testing equipment to monitor the pH of bilge water.

Temperature measuring equipment capable of monitoring temperature of between 0°C and 100°C.

Documentation received from shipper

Correct Bulk Cargo Shipping Name (BCSN) as per the IMSBC code 4.3.3 including:

Cargo Group

Moisture content (established within 7 days of loading)

TML (established within 6 months of loading)

Sulphur Content

Particle Size

If the cargo is liable to emit methane

If the cargo is liable to self-heat

Warning

Indonesian coal should be treated as self heating regardless of declaration

If not group A/B then certificate provided by competent authority

No cargo to be loaded without documentation

Visual Inspection of cargo stockpile

Look for excessive moisture prior to loading

Look for signs of heating prior to loading

Cargo temperature

Cargo temperature on loading confirmed as less than 55 degrees Celsius

Note:

If cargo temperature greater than 55 degrees, reject cargo and follow company procedures with letter of protest and request an expert.

02 LOADING

Cargo temperature less than 55°

Cargo Care Checklist: Coal (cont.)

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- No signs of liquefaction
- No sign of foreign matter

Hatch covers

- Ensure non-working hatches are kept closed during loading
- On completion of loading hatch covers to be closed and ventilate as appropriate

Warning

For self-heating coals only natural surface ventilation is permitted for the minimum time necessary to remove methane buildup.

- Confirm that methane levels are at an acceptably low level prior to closing hold ventilation.

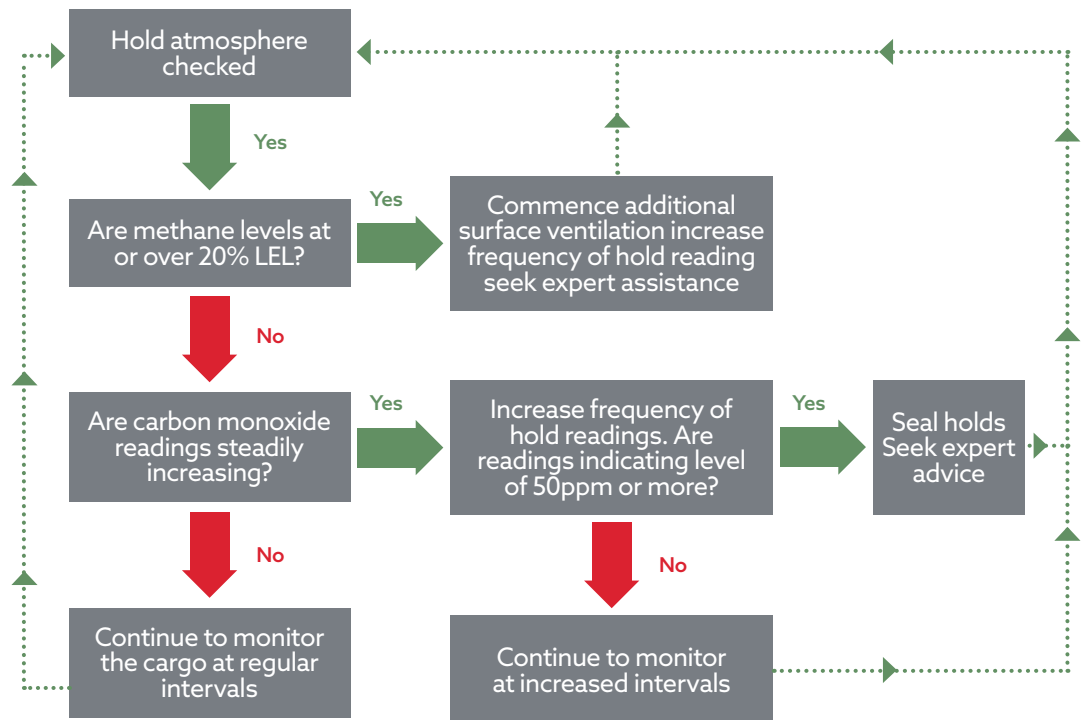
03 ON PASSAGE

Note:

Hold atmosphere to be monitored for the concentrations of methane, oxygen and carbon monoxide at regular intervals and the readings recorded.

Hold bilge water should be tested for its pH level, if acidic, increase the frequency in which bilges are emptied.

CARGO MONITORING FLOW CHART



Cargo Care Checklist: Coal (cont.)

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Warning

Ensure that personnel do not enter any cargo hold or adjacent enclosed space until the space has been ventilated and the atmosphere tested and confirmed as safe for entry.

03 DISCHARGE

Hold atmosphere confirmed safe – no personnel to enter until this is confirmed.....

Methane levels acceptable before hatches opened.....

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