

ITEM: BEARING PADS

FINDING: Bearing pad mating surfaces corroded/rough/scaled
Bearing pad mating surfaces not touching



Bearing pad, hatch cover side



Bearing pad ensemble - not touching



Bearing pad, coaming table side (not reinforced)



Bearing pad, coaming table side (pad structure)

WHY IS THIS A PROBLEM?

TECHNICAL DATA : BEARING PADS

- Also called landing pads, resting pads, support pads
- The purpose of bearing pads is to transfer the weight of the hatch covers onto the ship's structure
- Bearing pads keep the covers in their ideal sealing position, regulating the compression on the packing rubber
- Bearing pads allow for relative movement between panels and vessel

ISSUE WHEN PADS ARE NOT TOUCHING

- When the surfaces which should be touching steel-to-steel are rough/corroded, this is an indication that there is no contact between the two sides of the bearing pad for a prolonged period of time
- This means that the rubbers are carrying the full weight of the panel, and will be over-compressed in time
- This is usually due to a wear-down of the bearing pad structures which happens during the life of a vessel, but could occasionally have a different root cause



WHAT KIND OF FEEDBACK IS EXPECTED?

CORRECTIVE ACTIONS

- Third party work reports on the line-out of your hatch covers
- If not available, your own measurements on how much steel was added on which locations
- Measurements after repairs
- Weathertightness test result after repairs

PREVENTIVE MEASURES

- Explanation of monitoring system implemented to avoid repairs outside of shipyard periods