§ 61.20–18 Examination requirements.

(a) Each tailshaft must be a\ndrawn and visually inspected at each examination.

(b) On tailshafts with a taper, keyway, (if fitted) and propeller designed in accordance with American Bureau of Shipping standards to reduce stress concentrations, the forward \(\frac{1}{3}\) of the shaft’s taper section must be nondestructively tested in addition to a visual inspection of the entire shaft.

(c) On tailshafts with a propeller fitted to the shaft by means of a coupling flange, the flange, the fillet at the propeller end, and each coupling bolt must be nondestructively tested in addition to a visual inspection of the entire shaft.

§ 61.20–21 Extension of examination interval.

The Commandant CG–543 may authorize extensions of the interval between tailshaft examinations.

§ 61.20–23 Tailshaft clearance; bearing weardown.

(a) Water lubricated bearings, other than rubber, must be rebushed when it is worn down to 0.25 mm (0.025 in) clearance for shafts less than 229 mm (9 in) in diameter, and 0.325 mm (0.0375 in) clearance for shafts exceeding 229 mm (9 in) in diameter.

(b) Oil lubricated bearings must be rebushed when deemed necessary by the Officer in Charge, Marine Inspection. The manufacturer’s recommendation shall be considered in making this determination.

Subpart 61.30—Tests and Inspections of Fired Thermal Fluid Heaters

§ 61.30–1 Scope.

The term thermal fluid heater as used in this part includes any fired automatic auxiliary heating unit which uses a natural or synthetic fluid in the liquid phase as the heat exchange medium and whose operating temperature and pressure do not exceed 204 °C (400 °F) and 225 psig, respectively. Thermal fluid heaters having operating temperatures and pressures higher than 204 °C (400 °F) and 225 psig, respectively, are inspected under subpart 61.05—Tests and Inspections of Boilers.

§ 61.30–5 Preparation of thermal fluid heater for inspection and test.

For visual inspection, access plates and manholes shall be removed as required by the marine inspector and the heater and combustion chambers shall be thoroughly cooled and cleaned.

§ 61.30–10 Hydrostatic test.

All new installations of thermal fluid heaters must be given a hydrostatic test of \(1\frac{1}{2}\) times the maximum allowable working pressure. The test must be conducted in the presence of a marine inspector. No subsequent hydrostatic tests are required unless, in the opinion of the Officer in Charge Marine Inspection, the condition of the heater

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