

MARINE SHIPFITTER

DESCRIPTION OF WORK

This is journey level work in the removal of deteriorated metal from hull, superstructure, etc., on steel ferries, work boats, dredges, and barges. Employees cut away deteriorated metal, determine size of replacement section, and tack weld section into place. Work is performed under the general supervision of the marine Hull Supervisor and is reviewed for quality and compliance to Coast Guard regulations on certified vessels.

EXAMPLES OF DUTIES PERFORMED

Cuts out, using oxygen acetylene torch, damaged or deteriorated steel plates, frames, braces, shafts, rudders, etc., measures replacement materials, cuts out replacement parts, and tack welds part into place.

From data provided on blueprints, cuts out from stock materials, steel parts for the construction of foundations for pumps, engines, tanks, etc.; and tack welds foundations together.

Performs related duties as required.

RECRUITMENT STANDARDS

Knowledges, Skills, and Abilities

Working knowledge of the physical properties of a variety of ferrous and nonferrous metals.

Working knowledge of the construction of steel ships, dredges, barges, and work boats.

Working knowledge of Coast Guard regulations for steel vessels.

Ability to read blueprints and mechanical drawings.

Ability to measure and cut replacement materials for damaged or deteriorated metals.

Minimum Education and Experience

Completion of grammar school and three years of experience as a ship fitter or in the repair or construction of steel structures; or an equivalent combination of education and experience.