ABSTRACT

METHOD OF EVALUATING FATIGUE LEVEL OF CONSTITUENT COMPONENT OF MARINE DIESEL ENGINE, FATIGUE LEVEL EVALUATION DEVICE, REMAINING LIFETIME DIAGNOSING METHOD, REMAINING LIFETIME DIAGNOSING DEVICE, AND SYSTEM

Provided is a method that evaluates a fatigue level of a component of a marine diesel engine. The fatigue level evaluation method generates at least two evaluation points among an operation load evaluation point relating to an operation load of the marine diesel engine, an operation load variation evaluation point relating to variation of the operation load of the marine diesel engine, an operation cycle evaluation point relating to an operation cycle of the marine diesel engine, a fuel property evaluation point relating to a property of fuel of the marine diesel engine, a combustibility evaluation point relating to combustibility of the fuel, and an exhaust gas temperature evaluation point relating to temperature of exhaust gas of the marine diesel engine, for the component; calculates a total evaluation point of the fatigue level of the component by adding at least two of the generated evaluation points; and evaluates the fatigue level of the component based on the total evaluation point.

(FIG. 1)