

ABSTRACT

The present invention relates to a diagnostic system for fluid machinery capable of detecting wasteful energy consumption in the fluid machinery. The diagnostic system comprises a first identifying means for identifying the characteristics of the fluid machinery represented by flow rate-head characteristics by inputting prescribed data on the fluid machinery to be diagnosed; a second identifying means for identifying the operating flow rate or operating pressure of the fluid machinery according to the relationship between the identified characteristics and a measured operating pressure or operating flow rate of the fluid machinery by operating the fluid machinery to be diagnosed and inputting the measured results of the operating pressure (head), operating flow rate, power consumption, or operating electric current of the fluid machinery in operation; and a processing means for computing variations in the operating flow rate, operating pressure, or power consumption when the rotational speed of the fluid machinery to be diagnosed is varied and for displaying the computed results.

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