

ABSTRACT

SYSTEM FOR MONITORING A COMBUSTION APPARATUS

A system for monitoring a combustion apparatus comprises a monitor, a memory, and a display. The monitor determines how many times combustion has taken place in a combustion apparatus. Also the monitor determines a cumulative total period of time for which combustion has occurred in the combustion apparatus since the first use of the combustion apparatus. In addition, the monitor determines what kinds of irregularities have developed in the combustion apparatus during combustion thereof and how many times each kind of irregularity has developed therein since the first use of the combustion apparatus. The memory automatically stores such pieces of information obtained by the monitor. Also, the memory stores both a reference number of times of combustion and a reference cumulative time of duration of combustion when such pieces of reference information are set as an initial step. When the actual number of times of combustion has exceeded the reference number of times of combustion or when the actual cumulative total time of duration of combustion has exceeded the reference cumulative time of duration of combustion, whichever comes first, the memory determines it. When the memory has determined it, the display signals to a user of the combustion apparatus the desirability of maintenance work of it. The display also displays the three pieces of information automatically stored in the memory when a switch is activated. Another switch is also provided for resetting the two reference values for the memory.

[Fig 1]