

Title (en)
SYSTEM FOR MAINTAINING ENGINE OIL AT AN OPTIMUM TEMPERATURE

Title (de)
SYSTEM ZUR AUFRECHTHALTUNG DES MOTORÖLS AUF EINER OPTIMALEN TEMPERATUR

Title (fr)
SYSTEME POUR MAINTENIR DE L'HUILE MOTEUR A UNE TEMPERATURE OPTIMALE

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Application
EP 96906230 A 19960202

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- US 39071195 A 19950217
- US 46995795 A 19950606
- US 59399396 A 19960130

Abstract (en)
[origin: CA2209792A1] A temperature control system in a liquid cooled internal combustion engine equipped with a radiator controls the state of a flow control valve for controlling flow of a temperature control fluid through a passageway in the engine. Sensors detect an engine condition temperature, such as engine oil temperature. The sensors preferably also detect the temperature of the temperature control fluid and the temperature of the ambient air. An engine computer receives signals from the sensors and compares the signals to one or more predetermined values. In one embodiment, the engine computer compares the engine oil temperature signal to a predetermined value to control actuation of the valve. In another embodiment, the engine computer adjusts a predetermined temperature control fluid temperature value based on the comparison of the engine oil temperature signal to the predetermined engine oil temperature value. The engine computer then compares the temperature control fluid temperature signal to the adjusted temperature control fluid temperature. The engine computer actuates the flow control valve based on the comparison of the temperature control fluid temperature signal to the adjusted temperature control fluid temperature. The predetermined engine oil temperature value and predetermined temperature control fluid temperature value preferably vary with ambient air temperature.

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