

Title (en)

DEVICE AND METHOD FOR DETERMINING THE QUALITY A MEDIUM, PARTICULARLY OF A LUBRICANT AND/OR COOLANT

Title (de)

VORRICHTUNG UND VERFAHREN ZUR BESTIMMUNG DER QUALITÄT EINES FLUIDS, INSBESONDERE EINES SCHMIER-UND/ODER KÜHLMITTELS

Title (fr)

DISPOSITIF ET PROCEDE DE DETERMINATION DE LA QUALITE D'UNE SUBSTANCE, EN PARTICULIER D'UN LUBRIFIANT ET/OU D'UNE HUILE DE COUPE

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Application

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Abstract (en)

[origin: WO03038394A2] The invention relates to a device (1) for determining the quality a medium, particularly of a lubricant and/or cutting oil, comprising a number of sensors (3, 4, 5, 6, 7) that output an electric output signal according to the respective sensor-specific input variable. One sensor is a temperature sensor (7) that outputs an output signal, which is essentially only dependent on the temperature (T) of the medium and is essentially independent of, in particular, the quality of the medium. At least one other sensor (3, 4, 5, 6) outputs an output signal that is dependent on both the quality of the medium as well as the temperature (T) of the medium. The sensors (3, 4, 5, 6, 7) are placed on a shared substrate (2) that can be immersed in the medium. The invention also relates to an associated method.

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