

Title (en)

METHOD FOR ESTIMATING OIL DILUTION IN AN INTERNAL COMBUSTION ENGINE

Title (de)

VERFAHREN ZUR SCHÄTZUNG DER ÖLVERDÜNNUNG IN EINEM VERBRENNUNGSMOTOR

Title (fr)

PROCÉDÉ D'ESTIMATION DE LA DILUTION DU CARBURANT DANS L'HUILE D'UN MOTEUR À COMBUSTION INTERNE

Publication

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Application

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Abstract (en)

[origin: WO2019145210A1] The invention relates to a method for estimating the rate of dilution of fuel in the oil of an internal combustion engine equipped with a combustion gas treatment device requiring regeneration phases by post-injection of fuel, during a step prior to the method, a plurality of fractions (F1, F2,... Fx) of the composition of said fuel is defined, each fraction (Fi) having a different density, and in that the method comprises, in a repeated manner for a series of instants (t, t+dt), an estimation of the rate of dilution (T) by adding the rate of dilution (T(t)) estimated at the preceding instant to a variation value of the rate of dilution (dT) calculated on the basis of an estimation of the variation of the rate of dilution (dT_i), between two successive instants (t, t+dt), of each fraction (Fi) of the plurality of fractions (F1, F2,... Fx) of the composition of said fuel in the oil.

IPC 8 full level

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