Title (en)
A METHOD FOR DEGASIFICATION OF DIATHERMIC OIL

Title (de)
VERFAHREN ZUR ENTGASUNG VON DIATHERMISCHEM ÖL

Title (fr)
PROCÉDÉ DE DÉGAZÉIFICATION D'HUILE DIATHERMIQUE

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Abstract (en)
[origin: WO2018154618A1] The invention relates to a method for degasification of diathermic oil, i.e. for elimination of gases present therein, and an apparatus that implements this method. Said method comprises the following steps: - collecting a sample of diathermic oil from said circuit of use and determining its flash point and its distillation curve and acquiring the related values of temperature of distillation and volume of the substances contained; - diverting said diathermic oil from said circuit of use; - regulating the temperature of said diathermic oil, taking it to the temperature value (TO) lower than the flash point to favour the formation of gases that develop around this temperature (TO); - applying the vacuum to said diathermic oil, at a preset pressure value (P0) and for a time interval (Δt0) predetermined by the distillation curve, so as to totally suck the gas released in said conditions; - collecting the gas released via the application of vacuum and sending it to a discharge point and re-introducing said diathermic oil into its circuit of use; - regulating the temperature of said diathermic oil again, increasing it by a value (At) and taking it to a value (Ti) higher than the previous one, and repeating the subsequent steps for n values of predetermined incremental temperature values (T1, T2, T3,..., Tn) until reaching the temperature of use of said diathermic oil in said circuit.

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