

ABSTRACT**Installation and process of follow-up of the evolution of the basicity of a lubricant**

This installation (2) for following up the evolution of the basicity of a lubricant circulating in a piece of equipment (M) comprises at least one conduit (4) for circulating (F1) the lubricant, this conduit being connected, upstream, to the piece of equipment (M) and the, downstream, to a recovery pan (6) as well as at least one sensor (48) for determining the basicity index of the lubricant. The installation further comprises a first controlled valve (20) for interrupting the circulation (F1) of the lubricant in the conduit (4), a buffer tank (26) for accumulating the lubricant, a first bypass line (28) connected to the conduit (4), upstream from the first valve (20) on the one hand and to the buffer tank (26) on the other hand. The installation also comprises a second controlled valve (32) for interrupting the circulation of the lubricant in the first bypass line (28), a second line (42) for discharging the lubricant, from the buffer tank (26) to the recovery pan (6) and a third controlled valve (44) for interrupting the circulation of the lubricant in the second discharge line (42). The sensor (48) is positioned on the second discharge line (42) and allows determination of the basicity index of the lubricant at the outlet of the buffer tank (26).

Fig. 1