RMF Systems Case

HYDRO ELECTRICAL PLANT

HE Mavčiče lies in the valley of the Sava River, downstream from Kranj, the village Mavčiče. The power plant is a flow-type dam structure concrete gravity-type. Storage pool allows for the accumulation of water per day to cover peak periods of consumption of electricity.

The power plant is equipped with three synchronous generators rated at 14.3 MVA power voltage of 6.3 kV, which through a transformer (45 MVA 119/6, 3 kV) are connected to the 110 kV network.

The old machines in SEL HE MAVČČE and HE VRHOVO have many problems with hydraulic proportional valves.

RMF Systems supplied OLUW2B Off-Line Units with a water absorption prefilter to the power plant. After the Off-Line Units were installed, the machine downtime was reduced and new contamination problems were avoided.
The off-line units have extreme high filter efficiency with a fineness of down to 0,5 micron. The RMF Systems off-line Units are also capable of removing water from the oil.

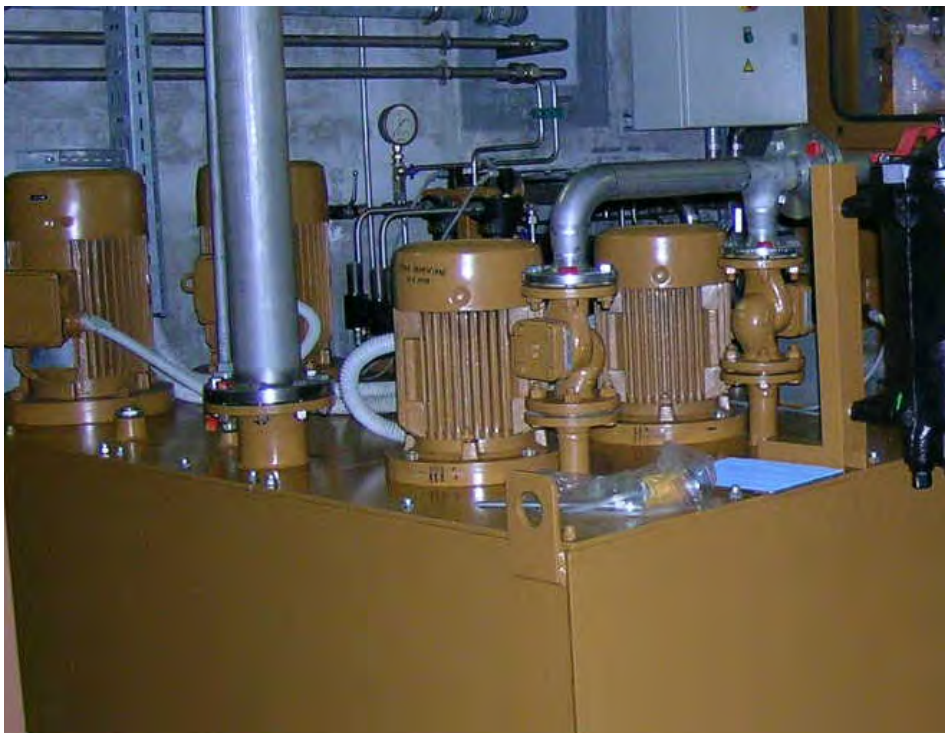
RMF Systems offers a specially designed Spin-on prefilter, the H2O Sorb for water absorbing and particle retention. This Spin-on filter element with a fineness of 20 micron is constructed of a unique medium containing water absorbing polymer which chemically bonds water.

RESULTS

After 4 month of filtering, the ISO cleanliness level went from 21/18/15 to 15/11/4.

SPECIFICATION OLUW2B

Nominal fow: 8,4 l/min
Max. water absorption capacity: 840 ml
Max Tank Volume: ± 5400 l



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