

SCHROEDER INDUSTRIES OFFERS DEHYDRATOR FOR A LARGE PAPER MILL

L-4643

1 BACKGROUND

A large paper mill in Minnesota was looking for a system that could remove free and absorbed water from ISO 220 hydraulic oil in a paper machine with a constant water ingress issue.

The 2500 gallon reservoir would see large water events weekly that would result in free water in the system, causing issues with premature wear in the hydraulic pumps and valves.

2 PROBLEM

The customer spent a substantial amount of money on a competitor's 20 gpm system, only to find out that replacing the elements in the systems was a cost of \$24,000 a year. The competitor's system was operational for two years and required monthly service intervals. The mill needed a system to maintain saturation levels below 50% with minimal maintenance requirements.

Plus, the competitor's system could only maintain the oil at a 60-85% saturation level.

3 SOLUTION

A 15 gpm Triton Dehydration Station® (TDS-E) from Schroeder Industries was presented and implemented at the paper mill, which then took the place of the competitor's system. This unit was then able to remove water from the hydraulic system and maintain saturation levels below 50%.

And as a benefit to the user, the TDS-E is very user-friendly in operation and maintenance and only requires element and breather replacements.



Customer: Paper Mill Machine

Fluids Addressed: ISO 220 Hydraulic Oil

Schroeder Product: Triton® Dehydration Station | TDS-E

4 RESULTS

The 15 gpm TDS-E was able to work on the 2500 gallon reservoir and after a total of 24 hours operating time, the saturation point read at a 43% saturation level.

The paper mill reduced annual maintenance costs over 95% while maintaining saturation levels below 50% on their hydraulic system.



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