

# SCHROEDER INDUSTRIES OFFERS DEHYDRATOR FOR OIL PRESERVATION

L-4637

## 1 BACKGROUND

A Municipal Casting Supplier in Wisconsin manufactures cast iron manhole covers, frames, grates and other products.



## 2 PROBLEM

This supplier was having issues with meeting the 8,000 hour life expectancy of hydraulic fluid due to oil degradation. This was caused by the water acting as a catalyst, along with metal particulate in the oil, causing the acid number to increase well above acceptable levels (400 PPM). The degradation caused premature fluid change outs at approximately 5,000 hours. The supplier was then looking to extend the life of their polyester, fire resistant fluid in their main, 3,000 gallon hydraulic reservoir.



## 3 SOLUTION

A Triton Dehydration Station® (TDS-E) from Schroeder Industries was added to their existing system to act as a kidney looping system.

Once installed, the water content dropped to a below 100 PPM reading, and a significant amount of particulate contamination was removed.



**Customer:** Municipal Casting Supplier

**Fluids Addressed:** Hydraulic Fluid

**Schroeder Product:** Triton® Dehydration Station | TDS-E

## 4 RESULTS

The oil is now lasting over the target 8,000 hours and has saved this customer more than the cost of the unit within the first year of operation (ROI = 0.87 years).

- The TDS-E has high dewatering rates and efficient particulate removal (Beta > 1,000) in one system.
- Removed water is vaporized into the air and not on the floor!
- Unit is easily controlled with standard touch screen operations.
- Minimal maintenance is required (no vacuum pump to service).



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