

Schroeder Industries Provides Reliable Filtration System Solution

Background

Schroeder Industries has been working with our local distributor who had found an inquiry through our web lead access for a cooling tower, gear box manufacturer in the South. The customer was looking for a rugged, reliable filtration system solution.

Problem

The customer was using old technology of spin on filters, and needed something that could be used in a wet industrial environment to filter gear box lube oil. This application is referred to a shaft up, where the gear box cannot be completely filled with oil so the upper bearings do not see full immersion of the gear box crank case oil, and need a lube circuit to keep them properly lubricated for running 24/7 for extended years. With the gear box mounted at high elevations along with the filter they also needed electrical indicator for referencing the filter change interval, in addition the indicator needed to be ATEX rated.

Solution

Working together we found an existing filter housing and indicator that had never been applied in this method and would meet all the requirements after receiving an anodizing coat on the filter housing and bowl. The electrical indicator signal can be sent to a visual alarm mounted at ground level making it easy for the OEM's customers to see when they need to take the cooling tower off line for minimal amount of time to service the filter. We also developed a new 25 micron Z-Media® element to handle the heavy gear oil. Prototype was tested and production orders are in the system operator.

Specifications

Customer Name: Cooling Tower Gear Box Manufacturer

Type of Machinery: Cooling Tower Gear Box

Reservoir Capacity: 30 Gallons

Operation Fluid: ISO 320

Schroeder Product: GH6 with optional ATEX Electrical Indicator



Schroeder
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