

Case Study 26

Truck Filter Skid for Transformer Oil

Background

One of the largest electrical companies in the United States has a fleet of trucks for daily maintenance. One truck was designed to transport new oil to transformer locations throughout a major metropolitan city in the Midwest. Included in the new transportation requirements was also a final stage of filtration before fill. Initial designs of the truck included a large reservoir to hold new oil that would be unloaded through a diaphragm pump and hose distribution system. One problem that arose with this design was the overall weight of the truck with a full reservoir of oil. The weight of the truck was causing issues for the operation team and plans were put in place to remove the large reservoir from the truck. Northeast Filter was initially contacted to provide the final stage of filtration before fill using portable filter carts.

Solution

Following an in-person consultation provided by Northeast Filter and after the initial quoting phase it was determined by both parties that their needs would be better met by stationary filters on their trucks instead of the originally planned portable housings. Each truck was already fitted with hosing and pumps. With Northeast Filter's expertise we were able to provide a solution that continued to utilize their existing equipment while adding filtration to meet their needs. Northeast filter provided custom drawings, on site installation, and training on how to effectively operate their new equipment. Providing this unique customer specific solution eliminated the need for operator labor moving portable housings and cut down on project pricing by utilizing equipment that the customer already had in their possession. After a year, the truck continues to provide a simple means to distribute clean oil throughout the city.

