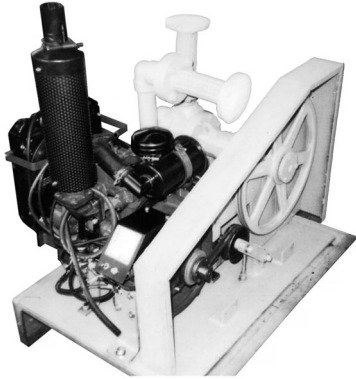




Preferred Utilities Manufacturing Corp.

ENGINEERING BASED MANUFACTURERS OF COMBUSTION CONTROLS AND FUEL HANDLING EQUIPMENT



Diesel Pump provides extra reliability

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Press Release
FOR IMMEDIATE RELEASE

Fuel Handling at Western Carlson Associates **Los Angeles, CA**

Enterprise computer systems have evolved into a position of critical importance for many large corporations. This is especially true for major financial institutions with their vast networked systems. Western Carlson Associates in Costa Mesa, California worked with Preferred Utilities to provide an emergency generating system for a massive computing center at a major bank in Los Angeles. At this facility, the computer systems must be constantly operational, as every second of downtime represents thousands of dollars in costs and lost revenues for the bank.

Preferred Utilities designed and manufactured a complete emergency generator pumping solution. The system included two duplex fuel oil pump sets, rated for 35 gpm at 50 psi. The pumps run amber #363 fuel oil, a blend required under California emissions regulations. Each pump set had its own independent control cabinet as well as its own supply and return lines thus providing a fully redundant system. The first pump set used two electric motors while the second used one electric and one diesel. The diesel pump was linked to its own 25 gallon day tank ensuring continuous operation even in a complete power outage.

The system drew on four 25,000 gallon tanks, providing plenty of reserve for even the worst of situations. Large fuel reserves, however, introduce a new problem. Fuel, that sits stagnant for extended periods of time, will collect water, bacteria, and other particulate matter which can cause a pumping and generating system to fail and can reduce equipment life expectancy. To eliminate this problem, Preferred integrated a fuel filtration system with the fuel storage tanks. The filtration system has its own set of electric pumps also rated for 35 gpm at 50 psi. The filtration system will cycle the oil from the storage tanks through the oil filters to remove particles and separate water, returning nearly 100% pure fuel oil to the tanks. The filtration system is set to be run either manually at the facility or remotely with a link to the building automation system. This filtration system is vital to ensuring that the generator systems are always ready for operation.

All the components work together to provide a reliable fuel supply system for the building's four emergency generators. It is designed to be completely redundant so that the generators can be fully operational even with one of the pump sets at complete failure. The bottom line is that the bank has a fully reliable emergency generator backup system for its all-important computer center.

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