

APPLICATIONS

PUMPS



BOILER FEED AUXILIARY FUEL

File No. 129

Section 3

PROBLEM:

Supplying auxiliary fuel during peak energy periods.

SOLUTION:

Use a CAT PUMP model 2520 to deliver auxiliary oil supply to boiler.

SPECIFICATIONS:

CAT PUMPS Model	2520
Pressure	400 PSI
Flow	22 GPM
Temperature	Ambient
Fluid	Fuel Type
Duty Cycle	Intermittent service Continuous when needed
Drive	7.5 H.P. Electric

OPERATION:

On the 16th floor of a Detroit office building are nine boilers in operation to provide both the heating and cooling requirements of the building occupants. Normally the boilers are fired by natural gas, however, during extreme weather conditions, both summer heat or winter cold, an auxiliary fuel supply is needed.

For these situations, a CAT PUMP model 2520 delivers 22 GPM of fuel oil at approximately 400 PSI up to the 16th floor to feed the boilers.

When the need for auxiliary fuel exists, the situation is critical and the pump must run without fail. The CAT PUMP has proven itself ready for duty during a complete heating and cooling season without need for service.

BENEFITS:

- Constant flow and pressure delivered.
- Maintenance free operation.
- Low horsepower, energy efficient operation.
- Eliminates need for two pumps as with previous centrifugal.

“Customer confidence is our greatest asset”

Products described hereon are covered by one or more of the following U.S. patents 3558244, 3652188, 3809508, 3920356, 3930756 and 5035580

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