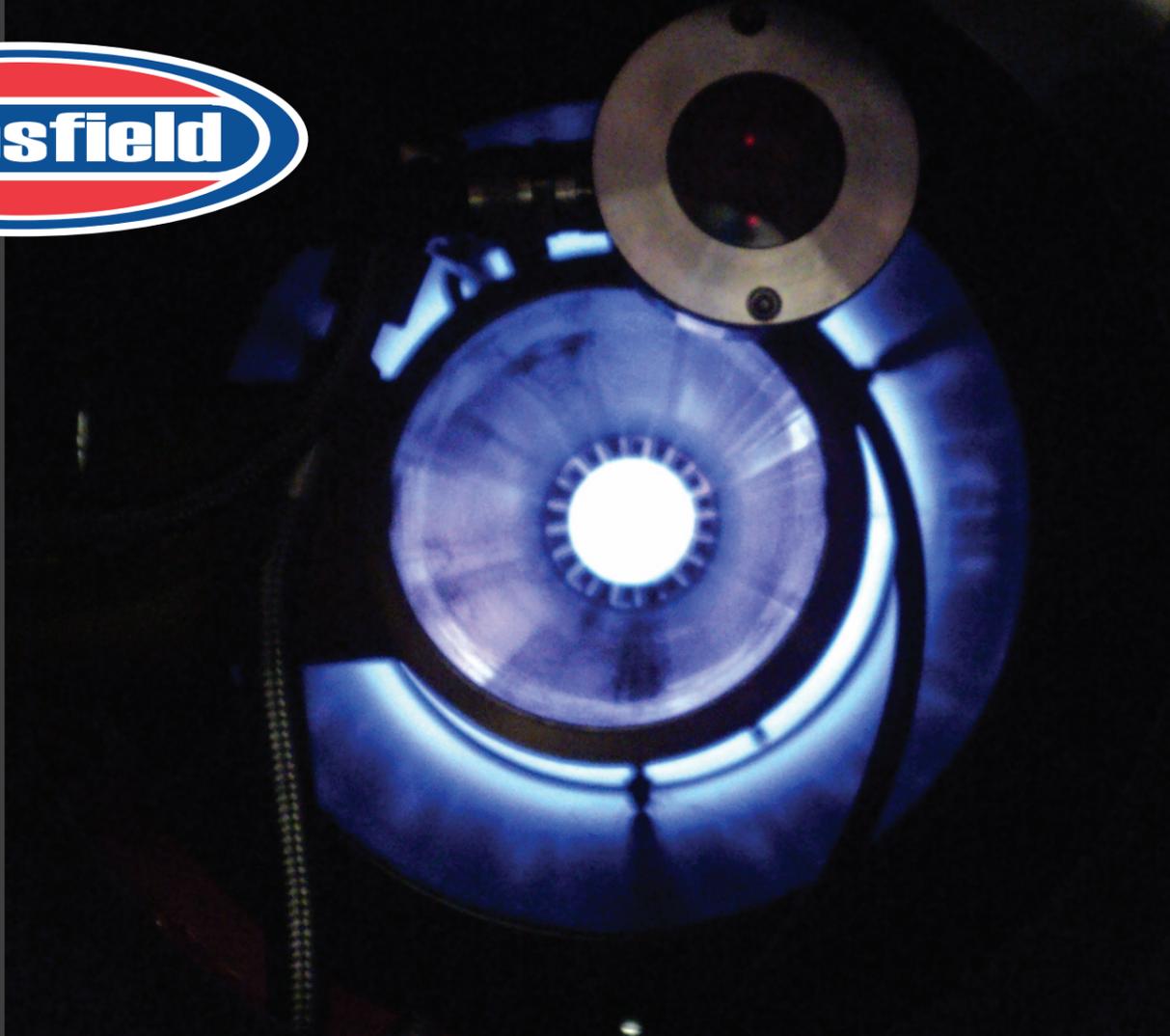




contract report



Customer:
Wincup



Location:
Higginsville, MO USA

Boiler Type:
500hp Superior Firetube

Burner Model:
LCN62

Fuels:
Natural Gas

Fuel Savings:
12 - 15%

WinCup is one of the leading manufacturers of foam disposable cups, bowls, containers, and lids worldwide.

Committed to producing the highest quality products in an efficient manner, Wincup decided that replacing the aging (25-30 years old) Gordon Piatt burner with a High efficiency Limpsfield burner at the Higginsville, MO plant would be a great way to ensure reliable steam production, along with making savings on their fuel bill.

It was decided that the Limpsfield burner would be retrofitted to the existing 500hp 2- pass Superior firetube boiler. The burner would be set up to fire Natural gas @ 3% O2 throughout the firing range. It would be controlled via the Autoflame Mk7 combustion management system. Wincup also opted to purchase the Autoflame Mk7 Exhaust Gas Analyser, which optimizes the combustion process by trimming the combustion curve based on the emission values. Fuel savings for this project were estimated to be 8 -10%.



On completion of the install Wincup immediately saw great fuel savings of 12% with the burner running extremely efficiently at less than 3% O2 throughout the firing range, 0ppm CO and less than 10% CO2. As well as great fuel savings Wincup were also impressed with the reliability the Limpsfield burner produces.

“A visit in Nov 2012 revealed that the burner had not had a recordable lockout since May 2011”

Quote: “We have been saving on average of 12-15% on natural gas consumption vs. our prior and current production levels. This has been consistent since the time the Limpsfield Burner was installed almost 3 years ago”

“The original burner was unreliable and required a lot of hands on attention from my maintenance staff to keep the boiler meeting their plant loads while maintaining the required 95 psig Steam to their process”

“The Limpsfield Burner system runs virtually trouble free and my staff are now free to perform other needed duties to keep our plant running well” Plant Mgr: Mr. Doug Smith



For more information on the Limpsfield burner range, please do not hesitate to contact us.

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