CCS
Collins Combustion Services

Combustion Data - Gas

895 Tralee Ct, Gurnee IL 60031 | dcollins@collinscombustion.com | 847.477.8623

Customer	Sample	***Job No***	061914-00003	***Unit ID***	
Location		***Svc. Rep***	Darrell Collins	***Date***	
Address		***Title***	Field Service Engineer	***Pressure***	300
Address		***Phone***	847.477.8623	***Stm Rating***	250kpph

Unit Firing Rate	**Location**	**Min**	**10%**	**20%**	**30%**	**40%**	**50%**	**60%**	**70%**	**80%**	**90%**	**100%**
Steam Flow, kpph	HMI	5	10	20	30	40	50	60	70	80	90	100
Feedwater Flow, kpph	HMI											
Main Header, PSIg	HMI											
Steam Drum, PSIg	HMI	300	300	300	300	300	300	300	300	300	300	300
Steam Drum, PSIg	Local	300	300	300	300	300	300	300	300	300	300	300
Gas Supply, PSIg	Local											
Gas Regulated, PSIg	Local											
Gas Regulated, PSIg	Meriam											
Gas at Burner, "wc/PSIg	Local											
Gas at Burner, "wc/PSIg	Meriam											
Windbox, "wc	Local											
Windbox, "wc	Meriam											
Furnace, "wc	Local											
Furnace, "wc	Meriam											
Air Flow Actual	HMI											
Air Flow PV, %	HMI											
Air Flow CV, %	HMI											
Gas Flow, SCFH	HMI	6	12	24	36	48	60	72	84	96	108	120
Gas Flow PV, %	HMI											
Gas Flow CV, %	HMI											
FGR Damper Pos, %	HMI											
Efficiency Calc Data Entry	Calculated	Steam btu/lb	1179.73	FW btu/lb	161	Gas btu/cf	1020	Av Drm HMI	300	Av Drm Local	300	
Boiler Efficiency - Nat Gas	Calculated	83.23%	83.23%	83.23%	83.23%	83.23%	83.23%	83.23%	83.23%	83.23%	83.23%	83.23%
Oxygen Xmtr	Testo											
O2, %	Testo											
NOx, ppm	Testo											
CO, ppm	Testo											
CO2, %	Testo											
Excess Air, %	Testo											
Stack Temp, °F	Testo											
Ambient Air Temp, °F	Testo											
NO, ppm	Testo											
cNOx, ppm @ 3% O2	Testo											
Efficiency, %	Testo											