OIL FURNACE
TECHNICAL EVALUATION
FORM

Oil Pump Operation Readings

Oil pressure at the oil pump outlet _____PSI Oil pressure at inlet to oil pump _____in.wc

Oil nozzle size _____GPM Oil angle pattern _____, hollow ☐ semi solid ☐ solid ☐

Efficiency Readings

Draft at the breach of furnace _____ inch WC.

Draft before the barometric damper at smoke pipe _____ inches WC.

Flue temperature (before barometric damper in flue pipe) _____ °F

Ambient temperature at furnace _____ °F

Net flue temperature of furnace _____ °F

CO^2 reading at flue pipe (before barometric damper) _____ % CO^2

Smoke reading at flue pipe (before barometric damper) _____

Air Flow Readings

Return air temperature at furnace (4 readings, one from each side of the return plenum)

_____ °F _____ °F _____ °F _____ °F = _____ °F (averaged readings)

Supply temperature before cooling coil ☐ after cooling coil ☐

_____ °F _____ °F _____ °F _____ °F = _____ °F (averaged temperature)

Technician's Name: _____ DATE: _____