

CALIFORNIA AIR RESOURCES BOARD
MONTHLY QUALITY MAINTENANCE CHECK SHEET
API MODEL 400

Location: _____ Month/Year: _____
 Station Number: _____ Technician: _____
 Property Number: _____ Agency: _____

Test Parameters		Readings			
	DATE:				
TIME	Current time of day (HH:MM:SS)				
RANGE	Analog output full-scale range				
STABIL	Standard Deviation of O3 readings				
O3 MEAS	Current V/F conv mV, measure channel				
O3 REF	Current V/F cov mV, reference channel				
O3 GEN	IZS ref channel feedback voltage				
O3 DRIVE	Drive voltage for O3 Gen Lamp				
VACUUM	IN-HG-A				
PRES	Absolute Pressure – inHg				
SAMPLE FL	Sample flow through Analyzer (cc/min)				
SAMPLE TEMP	Temperature of the sample				
PHOTO LMP	Photometer Lamp Housing Temp. (°C)				
O3 GEN TEMP	O3 Generator Housing Temp. (°C)				
BOX TEMP	Internal Box Temp. (°C)				
DCPS	DC Power Supply (mV)				
SLOPE	Internal Formula - Slope				
OFFSET	Internal Formula - Offset				

Flow: _____ Actual: _____ Display: _____

OPERATOR INSTRUCTIONS:

1. Daily checks: Review data and strip charts.
2. Weekly Checks: Record test parameters.
Change inline particulate filter: Date _____ / _____ / _____ / _____
3. As Required: Clean optical chamber and adjust photo lamp when O3 ref < 2500 mV
4. Semi-Annual: Calibrate analyzer. Date last calibrated: _____.

Date	Comments or Maintenance Performed:

Reviewed by: _____ Date: _____