

Bulletin: MACH-2013-002

Date: 09/16/2013

Supersedes: N/A

SERVICE BULLETIN



MACH® CM300, CM399 & CM500 Air Quality Certified by SCAQMD

Please be advised that the MACH® CM300, CM399 & CM500 were successfully evaluated by the South Coast Air Quality Management District (SCAQMD) and are now compliant with all applicable Rules and/or Permit Conditions.

The certified models are now listed under the SCAQMD NOx CO emission rule 1146.2.

Author: Jim Fino

Approved by: Al Lyon

Distribution: Regional Sales Managers, Boiler Reps

cc: Tech Support; Sales Support; Customer Service



South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178
(909) 396-2000 • www.aqmd.gov

September 10, 2013

Mr. J. Kevin Pollard
Technical Director
Harsco Industrial/Patterson Kelley
100 Burson Street
East Stroudsburg, PA 18301

Dear Mr. Pollard:

Thank you for your participation in the Rule 1146.2 Administrative Certification Program. As requested by Mr. Bodh Subherwal of BR Labs in his letter dated June 26, 2013, the certified models and other particulars are as follows:

Models	See attached table
Boiler Type per Rule 1146.2	1 & 2 (Condensing)
Source Test (S/T) conducted by	B.R. Laboratories, Inc.
S/T Report date	June 2013
AQMD S/T No.	R13341
Rule 1146.2 Compliance	14 ng/J or 20 ppm @ 3% O ₂

Please note that the District does not endorse or warrant any specific product or manufacturer. Modification of the products listed above will void this certification. If you have any questions or require further assistance, please contact Rizaldy Calungcagin at (909) 396-2315 or by e-mail at rcalungcagin@aqmd.gov.

Sincerely,

David De Boer
Program Supervisor
Area Sources (PRDAS)

cc: File: Harsco



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HARSCO INDUSTRIAL/PATTERSON KELLEY

SCAQMD RULE 1146.2 CERTIFICATION LIST

(Certified @ 14 ng/J or 20 ppm NO_x)

Family	Models	Input Max/Min (BTU/HR)
MACH [®]	CM-300	300,000/60,000
	CM-399	399,000/80,000
	CM-500	500,000/100,000

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

M E M O R A N D U M

DATE: August 16, 2013
TO: Rizaldy Calungcagin
FROM: Rudy Eden *[Signature]*
SUBJECT: Evaluation of Source Test Report:
(Requested by Rizaldy Calungcagin, July 16, 2013)

AQMD ID: **FACILITY ID NO. N/A** **APPLICATION NO.: N/A**
COMPANY: **Harsco Industrial, Patterson-Kelley, East Stroudsburg, PA**
EQUIPMENT: **Gas Fired Hot Water Boiler Model CM-300**
Gas Fired Hot Water Boiler Model CM-500
TEST LOCATION: **BR Laboratories, Inc., Huntington Beach, CA**
TEST DATE: **May 6 & 9, 2013**

REFERENCE: R13341 (STE Source Test File)

Source Test Engineering has completed the evaluation of the subject source test report and has concluded that it is:

ACCEPTABLE

Compliance with all applicable Rules and/or Permit Conditions, as well as compliance limits, has been acceptably demonstrated. All of the reported gaseous emissions and flows are considered accurate, and they may be used quantitatively as well as qualitatively for emission calculations. Source testing methods and analytical procedures are correct, and results are fully supported with respect to Quality Assurance (QA), accurate calculations, and representative raw data.

The attached evaluation has not been forwarded to the facility or the source testing firm. It is the responsibility of the requestor to review the attached evaluation and forward it to the parties involved, if you concur with our findings. If there are any questions, please contact Carey Willoughby at Ext. 3006.

GK: CAW

R13341: REV 08/16/13

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
SOURCE TEST ENGINEERING

SOURCE TEST REPORT EVALUATION

ST ID: **R13341**

AQMD ID: **FACILITY ID/NO:** N/A **A/N:** N/A
COMPANY: **Harsco Industrial, Patterson-Kelley, East Stroudsburg, PA**
EQUIPMENT: **Gas Fired Hot Water Boiler Model CM-300**
Gas Fired Hot Water Boiler Model CM-500
TEST LOCATION: **BR Laboratories, Inc., Huntington Beach, CA**

REQUESTED BY: **Rizaldy Calungcagin (Memo Dated July 16, 2013)**
TYPE OF TEST: **PERFORMANCE/COMPLIANCE REPORT** **DOCUMENT DATE:** **June 2013**
REASON FOR TEST: **(TESTING SUBJECT TO THE FOLLOWING RULE, PERMIT, OR SPECIFIED CONDITIONS):**
- R1146.2(c)(7)
- R1146.2(c)(8)

REQUESTED EVAL: **NOx, CO**
TEST DATE: **May 6 & 9, 2013**
TEST FIRM: **BR Laboratories, Inc.**

STE EVALUATOR: **Carey Willoughby EXT: 3006** **REVIEW DATE:** **August 16, 2013**

OVERVIEW OF EVALUATION:

OVERALL CONFIDENCE IN REPORTED TEST RESULTS:	<input checked="" type="checkbox"/> ACCEPTABLE	<input type="checkbox"/> CONDITIONALLY ACCEPTABLE	<input type="checkbox"/> UNACCEPTABLE
RESTRICTIONS FOR USE OF REPORTED RESULTS:	o NOx, CO reported emissions may be used for compliance determination <u>and</u> emission calculations.		
COMPLIANCE DETERMINATION:	o NOx, CO emissions, as reported, are in compliance with the Rule Compliance Limits.		