

Trace Analytics, Inc.

15768 Hamilton Pool Road · Austin, Texas 78738

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Customer No.: 1182

Report No.: 09-15150

Date Received: Mon, July 13, 2009 SAFAIR Date Analyzed: Mon, July 13, 2009

Mr. Doug Shattuck Date Reported: Tue, July 14, 2009 PO Box 545 Sherburne NY 13460 Sampled By: Douglas Shattuck

Date Sampled: Tue, July 7, 2009

Air Source ID: Eagle Compressor, Model

KA5E3B, S/N 89-7280-07,

Routine

Sampled for South Plattsburgh

Results vs NFPA 1989-2008 & CGA G-7.1-2004 Grade E Gas Quality Specification

Limiting Characteristic		Concentration			QC Results, %*	
		Source	Ambient	Specification	Accuracy	Precision
Oxygen, Volume %		21.1	N/A	20.0-22.0	100	0.0
Nitrogen / Argon, Volume %		78.0 / 0.9	N/A / N/A	75 - 81	100	0.0
Carbon Monoxide (CO), ppmv		<0.3	N/A	5	101	1.1
Carbon Dioxide (CO ₂), ppmv		314	N/A	1000	100	0.6
Water (H₂O), ppmv/Dewpoint, °F		3.5/-91	N/A	24/-65 (W)	101	0.5
Total Volatile Hydrocarbon Content (TVHC)	TVHC (including CH4), ppmv	2.6	N/A	25	101	1.9
	Methane (CH₄), ppmv	2.6	N/A	N/A	101	1.2
	TVHC (excluding CH ₄), ppmv	<0.7	N/A	25	101	1.9
Oil (condensed) & Particulate, mg/m ³		<0.03	N/A	2	100	0.2
Odor (provided by customer)		Not Pronounced	N/A	Not Pronounced	N/A	N/A
Atmospheric Dew Point, °F (DT)		-87	N/A	N/A	N/A	N/A
Other		N/A	N/A	N/A	N/A	N/A
Other		N/A	N/A	N/A	N/A	N/A

This sample COMPLIES with the air/gas quality portion of the above referenced specification.

Customer

645 Hours

Comments

(W) Dew point is expressed in °F at one atmosphere pressure absolute.
(DT) Trace Analytics is not accredited for this analysis. Dew point calculated from the Detector Tube reading. A difference between the laboratory and detector tube values not uncommon and may caused by a slight amount of water condensation that the detector tube picks up, but that is flushed through the bottle holder by the end of the 10 minute sampling period. "Not Provided" indicates the Data Sheet did not contain adequate information for a calculation.

R O AT

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CE ES

*Accuracy relates observed to expected results (100% is complete agreement). Precision relates to reproducibility (0.0% is complete agreement).

Source Bottle: 717110 Analytical Gases & Vapors CAT-A-01 Gas Chromatography/Mass Spectrometry Media Oil & Particulate Source Filter: 125818 Test CAT-A-03 Analytical Gravimetry Sample Methods Particle Size CAT-A-04 Optical Microscopy Numbers Ambient Bottle: N/A

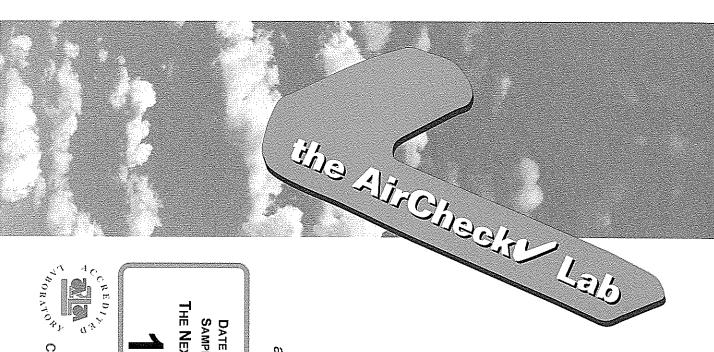


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Accredited In The Chemical Field of Testing

Richard A. Smith, C.I.H., Laboratory Director

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Tace Analytics, Inc.

South Plattsburgh

is in compliance with the air/gas quality portion of the specification:

NFPA 1989-2008 & CGA G-7.1-2004 Grade E

for a sample described as from the compressed gas source

Eagle Compressor, Model KA5E3B, S/N 89-7280-07, Routine

analyzed on_ 7/13/09 as documented in Report No. __09-15150

SAMPLING SCHEDULE: Quarterly DATE LAST SAMPLED: 7/7/2009

THE NEXT SAMPLE IS DUE APPROXIMATELY

10/7/2009

Richard A. Smith, C.I.H. Laboratory Director

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A2LA Certificate No. 322.01

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