



Trace Analytics, LLC

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AirCheck Report™

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Customer No.: 8000

Report No.: 10-85730

XYZ Company
Mr. Bob Smith
123 Avenue
Anytown USA 12345

Date Received: Fri, December 31, 2010
Date Analyzed: Fri, December 31, 2010
Date Reported: Fri, December 31, 2010
Sampled By: Bob Smith
Date Sampled: Fri, December 31, 2010
Air Source
Identification: Solution Prep Parts, Washer Day 2 Outlet

Sampled for ABC Manufacturing

Results vs ISO 8573-1:2010 Compressed Air Contaminants Gas Quality Specification

Limiting Characteristic			Class (B)	Concentration		Pass/Fail (3)	Estimate of Uncertainty, % (4)
				Sample (1)	Limit (2)		
Particles	By Particle Size, Number of Particles/m ³	0.1 - 0.5 (A)	2	n/a	400,000	n/a	n/a
		0.5 -	2	<134	6,000	PASS	±7.0
		1.0 -		<42	100		±7.0
	By Mass Concentration, mg/m ³		n/a	<0.004	n/a	n/a	±8.8
Water	Pressure Dew Point, °C		2	-43	-40	PASS	±12.5
	Liquid Water, g/m ³ (A)		n/a	n/a	n/a	n/a	n/a
Oil	Oil Aerosol, mg/m ³		n/a	<0.004	n/a	n/a	±4.6
	Oil Liquid, mg/m ³ (A)		n/a	n/a	n/a	n/a	n/a
	Oil Vapor, mg/m ³		n/a	<0.004	n/a	n/a	±8.8
	Total Oil, mg/m ³		1	<0.008	0.01	PASS	±13.9
Other (5)	Trichloroethylene, ppmv		n/a	2.9	n/a	n/a	±8.8

Report Notes

(1) Declared content of component in accordance with the referenced class (2) Limit as specified in the referenced class
(3) Indicates if the sample concentration is within the referenced class limit (PASS) or exceeds the referenced class limits (FAIL)
(4) At the 95 % confidence interval as a percent of the reported value; includes sampling and analytical estimates of uncertainty
(5) Contaminants outside the scope of the specification or range of acceptable values.
n/a = not applicable for this sample n/s = not specified
Trace Analytics, Inc. is not yet accredited for Oil Vapor nor for Pressure Dew Point using detector tubes.

Spec Notes

(A) This modified specification DOES NOT INCLUDE 0.1-0.5 µm particles; that analysis must be performed on site.
(B) For a "baseline" sample, the most restrictive class that the sample passes was selected.
(C) Neither Liquid Water nor Oil Liquid are determined. These tests must be performed on-site in accordance with ISO 8573-2.

Laboratory Comments

PASS

Sampling Information

Pressure: 35 psig
Temperature: 73.4°F
Oil Aerosol: %RH: 25.5%
Water Vapor:

Oil Vapor:
Charcoal Blank:
Other: Not Provided

Trace Analytical Test Methods

Oil Vapor SOP CAT-A-06 Gas Chromatography-Mass Spectrometry
Oil Aerosol SOP CAT-A-03 Analytical Gravimetry (with solvent extraction)
Solid Particles SOP CAT-A-04 Optical Microscopy
Dew Point SOP CAT-A-07 Direct-Reading Detector Tubes

Sampling Media Identification Numbers

Source Bottle: N/A
Source Filter: 002499
Charcoal Tube: 900016
Detector Tube: N/A



Accredited Since 1991 By
American Association for Laboratory Accreditation
A2LA Certificate No. 322.01

Accredited In The Chemical Field of Testing

Richard A. Smith

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

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