



15768 Hamilton Pool Road
 Austin, Texas 78738
 800-AIR-1024 or 512-263-0000 • Fax: 512-263-0002
 E-mail: ServiceTeam@AirCheckLab.com

To ISO 8573-6-CCNPP

Mr. John Doe XYZ Manufacturer 123 Avenue Schenectady, NY 12345	Customer	8000	Report	11-19900
	Sampled	Mon, Aug 22, 2011	Received	Tue, Aug 23, 2011
	By	Kristine Traylor	Analyzed	Tue, Aug 23, 2011
	For	Customer B	Reported	Tue, Aug 23, 2011

Results vs ISO 8573-1:2010 Gas Quality Specification

Limiting Characteristic	Class (B)	Concentration		Pass/Fail (3)	Estimate of Uncertainty, % (4)			
		Sample (1)	Limit (2)					
Particles	By Particle Size Diameter (d), Number of Particles/m ³ (A)	0.1 < d ≤ 0.5 μm	2	n/d	≤400,000	n/a	n/a	
		0.5 < d ≤ 1.0 μm	2	5,000	≤6,000	PASS	±22	
		1.0 < d ≤ 5.0 μm	2	50	≤100	PASS	±22	
	By Mass Concentration, mg/m ³			0.100			±4.3	
Water	Pressure Dew Point, °C		2	-44	≤-40	PASS	±30	
		Liquid Water, g/m ³ (C)						
Oil		Oil Aerosol, mg/m ³		0.005			±4.6	
		Oil Liquid, mg/m ³ (C)						
		Oil Vapor, mg/m ³		0.003				±6.3
		Total Oil, mg/m ³	1	0.008	≤0.01	PASS	±11	
VOC (5)								
Gases (6)		Carbon Monoxide (CO), ppmv						
		Carbon Dioxide (CO ₂), ppmv						
		Sulfur Dioxide (SO ₂), ppmv						
		Hydrocarbons (C ₁ to C ₅) ppmv						
		Nitrogen Oxides, (NO _x ; NO and NO ₂), ppmv						
Other								

NOTE: Blank fields indicate that samples were not obtained for the given limiting characteristic and no analytical results are presented.
 n/a = not applicable for this sample n/d = not determined n/p = not provided n/s = not specified

Results Notes

- Declared content of component in accordance with referenced class
- Limit as specified in the referenced class
- Indicates if the sample concentration is within the referenced class limit (PASS) or is outside the referenced limits (FAIL)
- At the 95% confidence interval as a percent of the reported value; includes sampling and analytical estimates of uncertainty
- Volatile organic compounds that are of the same general volatility as, and are distinguishable from, oil vapor compounds
- Gases named in ISO 8573-6 Table 2 as well as other gases specified by the customer

Specification and Laboratory Notes

(A) By agreement between the customer and laboratory, this report DOES NOT INCLUDE 0.1-0.5 μm particles.
 (B) For a "baseline" sample, the most restrictive class that the sample passes was selected.
 (C) Liquid Oil and/or Liquid Water may not be required for this class; n/d indicates not determined.



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Sampling Point Identification	Customer Comments
Collection Point A/B Filler Purification: Desiccant Dryer	

Sample Collection Conditions				Sampling Schedule
Temperature	Pressure	Other		The sampling schedule is recorded as: Quarterly3 . The next sample due approximately:
75 °F	50 psig	n/a		
Ambient	14.7 psia	n/a		

Sample Collection Information							
Parameter	Media No.	Flow Rate (L/min)	Sampling Time (min)	Blank	For Detector Tubes Only		Other
					Reading	Scale	
Aerosol (Particles & Oil Aerosol)	600001	50	20	6000			
Water Vapor (Dewpoint)	5/a-P (6728531)	4	12.5		10 mg/m ³	200	
	20/a-P (8103061)	4	5		100 mg/m ³	500	
Liquid Water	-W						
Oil Liquid	/						
Sulfur Dioxide, SO ₂	0.5/a-P (6728491)				ppmv		
Nitrogen Oxides, NO _x	0.5/a-P (CH29401)				ppmv		
Oil Vapor	900001	4	10	900000			
CO, CO ₂ , HC							

NOTE: Blank fields indicate that samples were not obtained for the given limiting characteristic and no analytical results are presented.

Test Methods					
Method‡	Contaminant	Sampling Technique	Analytical Technique	Accredited	Cal. Cert. No.
CAT-A-01	Gases (CO, CO ₂ , HC)	Gas Collection Bottle	Gas Chromatography - MS / FID	Yes	1111
CAT-A-03	Particles by Mass	Membrane Filter (0.2 µm)	Gravimetry	Yes	1111
CAT-A-03	Oil Aerosol	Membrane Filter (0.2 µm)	Extraction - Gravimetry	Yes	1111
CAT-A-04	Particles by Size	Membrane Filter (0.2 µm)	Optical Microscopy	Yes	1111
CAT-A-06	Oil Vapor	Charcoal Tube	Gas Chromatography - Mass Spectrometry	Yes	1111
CAT-A-07	Pressure Dewpoint	Gas Detector Tube	Chemical Length-of-Stain	Yes	1111
CAT-A-08	Oil Liquid and Liquid Water	Coalescing Filters	Extraction - Gravimetry	No	n/a
CAT-A-09	SO ₂ and NO _x	Gas Detector Tube	Chemical Length-of-Stain	No	n/a

‡ Trace Analytics, LLC certifies that the instrument(s) associated with the specified method were calibrated in accordance with applicable internal QA procedures.



Results relate only to items tested.
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Richard A. Smith

Richard A. Smith, Laboratory Director