



Certificate of Analysis

RecTEC Divers LLC

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

Oxygen Compat. Air-2003 (I) & CGA G-7.1-2011 Grade E (2)

as analyzed and reported on this certificate for the sample described under section "sample & report information"



Analytical Test Methods:		Media Sampled:	Estimate of Uncertainty:
Gases & Vapors:	CAT-A-01 Gas Chromatography/Mass Spectrometry	Source Bottle: 742907	The average analytical uncertainty (k=2) is 98.8 ± 2.4% (relative) at the specification limit for the ten compounds normally reported. For uncertainty information for a specific compound, contact Trace Analytics, LLC.
Oil & Particulate:	CAT-A-03 Analytical Gravimetry	Ambient Bottle: 437154	
Particle Size:	CAT-A-04 Optical Microscopy	Source Filter: 8363	
Pressure Dew Point:	CAT-A-07 Gas Detector Tube	Detector Tube: Draeger 5-a/P	

Maria Sandoval
Maria Sandoval, Laboratory Director

Results of Test: PASS

Sample & Report Information

From:
Trace Analytics, LLC
15768 Hamilton Pool Road
Austin, Texas 78738

To:
Mr. Gerald Bayus, Jr.
RecTEC Divers LLC
101 Leckrone Way
Cortland, OH 44410

Analytes	Source Results	Ambient Results	Specification Allowable Limits
Oxygen, Volume %	20.1	20.7	20-22
Nitrogen, Volume %	79.0	78.4	N/A
Argon, Volume %	0.9	0.9	N/A
Nitrogen Plus Argon, Volume %	79.9	N/A	N/A
Carbon Monoxide (CO), ppmv	<0.5	<0.5	2
Carbon Dioxide (CO2), ppmv	254	364	1000
Water Content (H2O), ppmv/Dewpoint, °F	<3.4 / <-91	N/A	N/A / N/A (W)
Atmospheric Dew Point, °F (DT)	-81	N/A	N/A
TVHC (including CH4), ppmv	2.4	2.0	25
Methane (CH4) ppmv	2.4	2.0	N/A
TVHC (excluding CH4), ppmv	<0.7	<0.7	N/A
Oil (condensed) & Particulate, mg/m3	<0.02	N/A	0.1
Odor (provided by customer)	None/Slight	N/A	None/Slight
Other	N/A	N/A	N/A
Other	N/A	N/A	N/A
Other	N/A	N/A	N/A

(1) Results apply to the sample as received from the customer. Information supplied by the customer can affect the validity of results.
(2) Water content is reported although not required by CGA G-7.1 for breathing air not used in conjunction with SCBA.
(I) This specification for oxygen compatible air is taken from ANSI/CGA G-7.1 Grade E as modified by International Association of Nitrox and Technical Divers (IANTD) in their document Blending Standards, 2003.
(W) Dew point is expressed in °F at one atmosphere pressure absolute.
(DT) Detector tube readings performed by the customer. Dew point is calculated at 1 atmosphere pressure (14.7 psia) from the detector tube reading.

Sampled For	RecTEC Divers LLC
Sampled By	Gerald Bayus Jr.
Sampled On	7/6/2020
Received On	7/20/2020
Analyzed On	7/20/2020
Sampled From	Compressor
Make	Poseidon
Model	PFU150
Serial No.	PFU-15097042405
Hours	2344
Sample Phase	Routine
Customer Comments	Oil change and 3rd stage valves replaced
Report Number	20-22242
Customer ID	32507
Date Reported	7/23/2020
Frequency	Quarterly

Aircheck[™] Report and Certificate

From:
Trace Analytics, LLC
15768 Hamilton Pool Road
Austin, Texas 78738

800-247-1024 • 512-263-0000
Fax 512-263-0002
E-mail service@AirCheckLab.com

To:
Mr. Gerald Bayus, Jr.
RecTEC Divers LLC
101 Leckrone Way
Cortland, OH 44410

TRACE Analytics LLC**Analysis Certificate**

Report 19-16967, Sampled on

5/20/2019

Next Sample Due Quarterly, Approximately

8/20/2019**RecTEC Divers LLC**

IS IN COMPLIANCE WITH THE AIR/GAS QUALITY PORTION OF THE SPECIFICATION:
OXYGEN COMPAT. AIR-2003 (I) & CGA G-7.1-2011 GRADE E (2)

AS ANALYZED AND REPORTED ON THIS CERTIFICATE
FOR THE SAMPLE DESCRIBED UNDER SECTION "SAMPLE & REPORT INFORMATION"



American Assn for Laboratory Accreditation
1991: Certificate No. 322.01 Chemical Field of Testing

Maria Sandoval
Maria Sandoval, Laboratory Director

Analytical Test Methods		Media Sampled	Estimate of Uncertainty
Gases & Vapors	CAT-A-01 Gas Chromatography/Mass Spectrometry	Source Bottle: 790643	The average analytical uncertainty (k=2) is 98.8±2.4% (relative) at the specification limit for the ten compounds normally reported. For uncertainty information for a specific compound, contact Trace Analytics.
Oil & Particulate	CAT-A-03 Analytical Gravimetry	Ambient Bottle: 434773	
Particle Size	CAT-A-04 Optical Microscopy	Source Filter: 168981	
Pressure Dew Point	CAT-A-07 Gas Detector Tube	Detector Tube: Draeger 5-a/P	

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Sample & Report Information**Results of Test: PASS**

Sampled For	RecTEC Divers LLC	Analytes	Source Results	Ambient Results	Specification ¹ Allowable Limits
Sampled By	Gerald Bayus Jr.	Oxygen, Volume %	20.7	20.9	20-22
Sampled On	5/20/2019	Nitrogen, Volume %	78.4	78.2	N/A
Received On	5/23/2019	Argon, Volume %	0.9	0.9	N/A
Analyzed On	5/23/2019	Nitrogen Plus Argon, Volume %	79.3	N/A	N/A
Sampled From	Compressor	Carbon Monoxide (CO), ppmv	<0.5	<0.5	2
Make	Poseidon	Carbon Dioxide (CO ₂), ppmv	8	459	1000
Model	PFU150	Water Content (H ₂ O), ppmv/Dewpoint, °F	20.3 / -68	N/A	N/A / N/A (W)
Serial No.	PFU-15097042405	Atmospheric Dew Point, °F (DT)	-49	N/A	N/A
		TVHC (including CH ₄), ppmv	1.9	5.7	25
		Methane (CH ₄), ppmv	1.9	2.9	N/A
		TVHC (excluding CH ₄), ppmv	<0.7	2.8	N/A
		Oil (condensed) & Particulate, mg/m ³	0.04	N/A	0.1
Hours	2305	Odor (provided by customer)	None/Slight	N/A	None/Slight
Sample Phase	After Filter Change	Other	N/A	N/A	N/A
Customer Comments	Replaced Final Filter. Cleaned/Replaced All Sinterec Filters, Filter Tower And Moisture Separator. Outside Temp 66 Degrees Humidity 67%.	Other	N/A	N/A	N/A
		Other	N/A	N/A	N/A

(2) Water content is reported although not required by CGA G-7.1 for breathing air not used in conjunction with SCBA.

(I) This specification for oxygen compatible air is taken from ANSI/CGA G-7.1 Grade E as modified by International Association of Nitrox and Technical Divers (IANTD) in their document Blending Standards, 2003.

(W) Dew point is expressed in °F at one atmosphere pressure absolute.

(DT) Dew point is calculated at 1 atmosphere pressure (14.7 psia) from the detector tube reading.

Report Number 19-16967

Customer ID 32507

Date Reported 5/28/2019

Frequency Quarterly

Next Sample Due Approx. **8/20/2019****We Do One Thing –Test Compressed Air****www.AirCheckLab.com****PASS**

Aircheck Report and Certificate

From:
Trace Analytics, LLC
15768 Hamilton Pool Road
Austin, Texas 78738

800-247-1024 • 512-263-0000
Fax 512-263-0002
E-mail service@AirCheckLab.com

To:
Mr. Gerald Bayus, Jr.
RecTEC Divers LLC
101 Leckrone Way
Cortland, OH 44410

TRACE Analytics LLC



Analysis Certificate

Report 18-13705, Sampled on

5/2/2018

Next Sample Due Quarterly, Approximately

8/2/2018

RecTEC Divers LLC

IS IN COMPLIANCE WITH THE AIR/GAS QUALITY PORTION OF THE SPECIFICATION:
OXYGEN COMPAT. AIR-2003 (I) & CGA G-7.1-2011 GRADE E (2)
AS ANALYZED AND REPORTED ON THIS CERTIFICATE
FOR THE SAMPLE DESCRIBED UNDER SECTION "SAMPLE & REPORT INFORMATION"



American Assn for Laboratory Accreditation
1991: Certificate No. 322.01 Chemical Field of Testing

R. A. Smith
Richard A. Smith, Laboratory Director

Analytical Test Methods		Media Sampled	Estimate of Uncertainty
Gases & Vapors	CAT-A-01 Gas Chromatography/Mass Spectrometry	Source Bottle: 765995	The average analytical uncertainty (k=2) is 98.8±2.4% (relative) at the specification limit for the ten compounds normally reported. For uncertainty information for a specific compound, contact Trace Analytics.
Oil & Particulate	CAT-A-03 Analytical Gravimetry	Ambient Bottle: N/A	
Particle Size	CAT-A-04 Optical Microscopy	Source Filter: 3100	
Pressure Dew Point	CAT-A-07 Gas Detector Tube	Detector Tube: Draeger 5-a/P	

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Sample & Report Information

Results of Test: PASS

Sampled For	RecTEC Divers LLC	Analytes	Source Results	Ambient Results	Specification ¹ Allowable Limits
Sampled By	Gerald Bayus Jr.	Oxygen, Volume %	21.0	N/A	20-22
Sampled On	5/2/2018	Nitrogen, Volume %	78.1	N/A	N/A
Received On	5/4/2018	Argon, Volume %	0.9	N/A	N/A
Analyzed On	5/4/2018	Nitrogen Plus Argon, Volume %	79.0	N/A	N/A
Sampled From	Compressor	Carbon Monoxide (CO), ppmv	1.0	N/A	2
Make	Poseidon	Carbon Dioxide (CO ₂), ppmv	516	N/A	1000
Model	PFU150	Water Content (H ₂ O), ppmv/Dewpoint, °F	207 / -32	N/A	N/A / N/A (W)
Serial No.	PFU-15097042405	Atmospheric Dew Point, °F (DT)	-49	N/A	N/A
		TVHC (including CH ₄), ppmv	4.5	N/A	25
		Methane (CH ₄), ppmv	2.5	N/A	N/A
		TVHC (excluding CH ₄), ppmv	2.0	N/A	N/A
		Oil (condensed) & Particulate, mg/m ³	0.04	N/A	0.1
Hours	2270	Odor (provided by customer)	None/Slight	N/A	None/Slight
Sample Phase	Routine	Other	N/A	N/A	N/A
Customer Comments		Other	N/A	N/A	N/A
		Other	N/A	N/A	N/A

(2) Water content is reported although not required by CGA G-7.1 for breathing air not used in conjunction with SCBA.

(I) This specification for oxygen compatible air is taken from ANSI/CGA G-7.1 Grade E as modified by International Association of Nitrox and Technical Divers (IANTD) in their document Blending Standards, 2003.

(W) Dew point is expressed in °F at one atmosphere pressure absolute.

(DT) Dew point is calculated at 1 atmosphere pressure (14.7 psia) from the detector tube reading.

Report Number 18-13705
Customer ID 32507
Date Reported 5/8/2018
Frequency Quarterly
Next Sample Due Approx. **8/2/2018**

PASS

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From:
Trace Analytics, LLC
15768 Hamilton Pool Road
Austin, Texas 78738

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E-mail service@AirCheckLab.com

To:
Mr. Gerald Bayus, Jr.
RecTEC Divers LLC
101 Leckrone Way
Cortland, OH 44410

TRACEAnalyticsLLC

Report 17-14372, Sampled on

5/7/2017**Analysis Certificate**

Next Sample Due Quarterly, Approximately

8/7/2017**RecTEC Divers LLC**

IS IN COMPLIANCE WITH THE AIR/GAS QUALITY PORTION OF THE SPECIFICATION:
OXYGEN COMPAT. AIR-2003 (I) & CGA G-7.1-2011 GRADE E (2)
AS ANALYZED AND REPORTED ON THIS CERTIFICATE
FOR THE SAMPLE DESCRIBED UNDER SECTION "SAMPLE & REPORT INFORMATION"



American Assn for Laboratory Accreditation
1991: Certificate No. 322.01 Chemical Field of Testing

R.A. Smith
Richard A. Smith, Laboratory Director

Analytical Test Methods		Media Sampled	Estimate of Uncertainty
Gases & Vapors	CAT-A-01 Gas Chromatography/Mass Spectrometry	Source Bottle: 758212	The average analytical uncertainty (k=2) is 98.8±2.4% (relative) at the specification limit for the ten compounds normally reported. For uncertainty information for a specific compound, contact Trace Analytics.
Oil & Particulate	CAT-A-03 Analytical Gravimetry	Ambient Bottle: 433686	
Particle Size	CAT-A-04 Optical Microscopy	Source Filter: 3357	
Pressure Dew Point	CAT-A-07 Gas Detector Tube	Detector Tube: Draeger 5-a/P	

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Sample & Report Information**Results of Test: PASS**

Sampled For	RecTEC Divers LLC	Analytes	Source Results	Ambient Results	Specification ¹ Allowable Limits
Sampled By	Gerald Bayus Jr.	Oxygen, Volume %	21.1	20.7	20-22
Sampled On	5/7/2017	Nitrogen, Volume %	78.0	78.4	N/A
Received On	5/12/2017	Argon, Volume %	0.9	0.9	N/A
Analyzed On	5/12/2017	Nitrogen Plus Argon, Volume %	78.9	N/A	N/A
Sampled From	Compressor	Carbon Monoxide (CO), ppmv	<0.3	<0.3	2
Make	Poseidon	Carbon Dioxide (CO ₂), ppmv	466	544	1000
Model	PFU150	Water Content (H ₂ O), ppmv/Dewpoint, °F	<3.4 / <-91	N/A	N/A / N/A (W)
Serial No.	PFU-15097042405	Atmospheric Dew Point, °F (DT)	-58	N/A	N/A
		TVHC (including CH ₄), ppmv	2.5	10.5	25
		Methane (CH ₄), ppmv	2.5	3.4	N/A
		TVHC (excluding CH ₄), ppmv	<0.7	7.1	N/A
		Oil (condensed) & Particulate, mg/m ³	<0.02	N/A	0.1
Hours	2234	Odor (provided by customer)	None/Slight	N/A	None/Slight
Sample Phase	Routine	Other	N/A	N/A	N/A
Customer Comments		Other	N/A	N/A	N/A
		Other	N/A	N/A	N/A

(2) Water content is reported although not required by CGA G-7.1 for breathing air not used in conjunction with SCBA.

(I) This specification for oxygen compatible air is taken from ANSI/CGA G-7.1 Grade E as modified by International Association of Nitrox and Technical Divers (IANTD) in their document Blending Standards, 2003.

(W) Dew point is expressed in °F at one atmosphere pressure absolute.

(DT) Dew point is calculated at 1 atmosphere pressure (14.7 psia) from the detector tube reading.

Report Number 17-14372
Customer ID 32507
Date Reported 5/15/2017
Frequency Quarterly

Next Sample Due Approx. **8/7/2017**

We Do One Thing –Test Compressed Air**www.AirCheckLab.com****PASS**

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From:
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Austin, Texas 78738

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Fax 512-263-0002
E-mail service@AirCheckLab.com

To:
Mr. Gerald Bayus, Jr.
RecTEC Divers LLC
101 Leckrone Way
Cortland, OH 44410

TRACEAnalytics^{LLC}

Report 16-13611, Sampled on

5/9/2016**Analysis Certificate**

Next Sample Due Quarterly, Approximately

8/9/2016**RecTEC Divers LLC**

IS IN COMPLIANCE WITH THE AIR/GAS QUALITY PORTION OF THE SPECIFICATION:
OXYGEN COMPAT. AIR-2003 (I) & CGA G-7.1-2011 GRADE E (2)
AS ANALYZED AND REPORTED ON THIS CERTIFICATE
FOR THE SAMPLE DESCRIBED UNDER SECTION "SAMPLE & REPORT INFORMATION"



American Assn for Laboratory Accreditation
1991: Certificate No. 322.01 Chemical Field of Testing

Richard A. Smith, Laboratory Director

Analytical Test Methods		Media Sampled	Estimate of Uncertainty
Gases & Vapors	CAT-A-01 Gas Chromatography/Mass Spectrometry	Source Bottle: 775703	The average analytical uncertainty (k=2) is 98.8±2.4% (relative) at the specification limit for the ten compounds normally reported. For uncertainty information for a specific compound, contact Trace.
Oil & Particulate	CAT-A-03 Analytical Gravimetry	Ambient Bottle: 433663	
Particle Size	CAT-A-04 Optical Microscopy	Source Filter: 2523	

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Sample & Report Information**Results of Test: PASS**

Sampled For	RecTEC Divers LLC	Analytes	Source Results	Ambient Results	Specification ¹ Allowable Limits
Sampled By	Gerald Bayus	Oxygen, Volume %	21.0	21.0	20-22
Sampled On	5/9/2016	Nitrogen, Volume %	78.1	78.2	N/A
Received On	5/13/2016	Argon, Volume %	0.9	0.8	N/A
Analyzed On	5/13/2016	Nitrogen Plus Argon, Volume %	79.0	N/A	N/A
Sampled From	Compressor	Carbon Monoxide (CO), ppmv	<0.3	<0.3	2
Make	Poseidon	Carbon Dioxide (CO ₂), ppmv	381	371	1000
Model	PFU150	Water Content (H ₂ O), ppmv/Dewpoint, °F	<3.4 / <-91	N/A	N/A / N/A (W)
Serial No.	PFU-15097042405	Atmospheric Dew Point, °F (DT)	-56	N/A	N/A
		TVHC (including CH ₄), ppmv	2.2	2.0	25
		Methane (CH ₄), ppmv	2.2	2.0	N/A
		TVHC (excluding CH ₄), ppmv	<0.7	<0.7	N/A
		Oil (condensed) & Particulate, mg/m ³	0.03	N/A	0.1
Hours	2218	Odor (provided by customer)	None/Slight	N/A	None/Slight
Sample Phase	Routine	Other	N/A	N/A	N/A
Customer Comments		Other	N/A	N/A	N/A
		Other	N/A	N/A	N/A

(2) Water content is reported although not required by CGA G-7.1 for breathing air not used in conjunction with SCBA.

(I) This specification for oxygen compatible air is taken from ANSI/CGA G-7.1 Grade E as modified by International Association of Nitrox and Technical Divers (IANTD) in their document Blending Standards, 2003.

(W) Dew point is expressed in °F at one atmosphere pressure absolute.

(DT) Dew point is calculated at 1 atmosphere pressure (14.7 psia) from the detector tube reading.

Report Number 16-13611
Customer ID 32507
Date Reported 5/16/2016
Frequency Quarterly
Next Sample Due Approx. **8/9/2016**

PASS

Aircheck Report and Certificate

From:
Trace Analytics, LLC
15768 Hamilton Pool Road
Austin, Texas 78738

800-247-1024 • 512-263-0000
Fax 512-263-0002
E-mail service@AirCheckLab.com

To:
Mr. Gerald Bayus, Jr.
RecTEC Divers LLC
101 Leckrone Way
Cortland, OH 44410

TRACEAnalyticsLLC**Analysis Certificate**

Report 15-28275, Sampled on

10/9/2015

Next Sample Due Quarterly, Approximately

1/9/2016**RecTEC Divers LLC**

IS IN COMPLIANCE WITH THE AIR/GAS QUALITY PORTION OF THE SPECIFICATION:
OXYGEN COMPAT. AIR-2003 (I) & CGA G-7.1-2011 GRADE E (2)

AS ANALYZED AND REPORTED ON THIS CERTIFICATE

FOR THE SAMPLE DESCRIBED UNDER SECTION "SAMPLE & REPORT INFORMATION"



American Assn for Laboratory Accreditation
1991: Certificate No. 322.01 Chemical Field of Testing

Richard A. Smith, Laboratory Director

Analytical Test Methods	Media Sampled	Estimate of Uncertainty
Gases & Vapors CAT-A-01 Gas Chromatography/Mass Spectrometry	Source Bottle: 758326	The average analytical uncertainty (k=2) is 98.8±2.4% (relative) at the specification limit for the ten compounds normally reported. For uncertainty information for a specific compound, contact Trace.
Oil & Particulate CAT-A-03 Analytical Gravimetry	Ambient Bottle: N/A	
Particle Size CAT-A-04 Optical Microscopy	Source Filter: 3502	

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Sample & Report Information**Results of Test: PASS**

Sampled For	RecTEC Divers LLC	Analytes	Source Results	Ambient Results	Specification ¹ Allowable Limits
Sampled By	Illegible	Oxygen, Volume %	20.8	N/A	20-22
Sampled On	10/9/2015	Nitrogen, Volume %	78.3	N/A	N/A
Received On	10/16/2015	Argon, Volume %	0.9	N/A	N/A
Analyzed On	10/16/2015	Nitrogen Plus Argon, Volume %	79.2	N/A	N/A
Sampled From	Compressor	Carbon Monoxide (CO), ppmv	<0.3	N/A	2
Make	Poseidon	Carbon Dioxide (CO ₂), ppmv	284	N/A	1000
Model	PFU150	Water Content (H ₂ O), ppmv/Dewpoint, °F	<3.4 / <-91	N/A	N/A / N/A (W)
Serial No.	PFU-15097042405	Atmospheric Dew Point, °F (DT)	-67	N/A	N/A
		TVHC (including CH ₄), ppmv	2.1	N/A	25
		Methane (CH ₄), ppmv	2.1	N/A	N/A
		TVHC (excluding CH ₄), ppmv	<0.7	N/A	N/A
		Oil (condensed) & Particulate, mg/m ³	<0.02	N/A	0.1
Hours	2202	Odor (provided by customer)	None/Slight	N/A	None/Slight
Sample Phase	Routine	Other	N/A	N/A	N/A
Customer Comments		Other	N/A	N/A	N/A
		Other	N/A	N/A	N/A
Report Number	15-28275	(2) Water content is reported although not required by CGA G-7.1 for breathing air not used in conjunction with SCBA. (I) This specification for oxygen compatible air is taken from ANSI/CGA G-7.1 Grade E as modified by International Association of Nitrox and Technical Divers (IANTD) in their document Blending Standards, 2003. (W) Dew point is expressed in °F at one atmosphere pressure absolute. (DT) Dew point is calculated at 1 atmosphere pressure (14.7 psia) from the detector tube reading.			
Customer ID	32507				
Date Reported	10/19/2015				
Frequency	Quarterly				
Next Sample Due Approx.	1/9/2016				

PASS

Aircheck Report and Certificate

From:
Trace Analytics, LLC
15768 Hamilton Pool Road
Austin, Texas 78738

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To:
Mr. Gerald Bayus, Jr.
RecTEC Divers LLC
101 Leckrone Way
Cortland, OH 44410

TRACE Analytics LLC

Report 15-13454, Sampled on

5/13/2015



Analysis Certificate

Next Sample Due Quarterly, Approximately

8/13/2015

RecTEC Divers LLC

IS IN COMPLIANCE WITH THE AIR/GAS QUALITY PORTION OF THE SPECIFICATION:
OXYGEN COMPAT. AIR-2003 (I) & CGA G-7.1-2011 GRADE E (2)
AS ANALYZED AND REPORTED ON THIS CERTIFICATE
FOR THE SAMPLE DESCRIBED UNDER SECTION "SAMPLE & REPORT INFORMATION"



American Assn for Laboratory Accreditation
1991: Certificate No. 322.01 Chemical Field of Testing

R. A. Smith
Richard A. Smith, Laboratory Director

Analytical Test Methods	Media Sampled	Estimate of Uncertainty
Gases & Vapors CAT-A-01 Gas Chromatography/Mass Spectrometry Oil & Particulate CAT-A-03 Analytical Gravimetry Particle Size CAT-A-04 Optical Microscopy	Source Bottle: 714874 Ambient Bottle: 424522 Source Filter: 2201	The average analytical uncertainty (k=2) is 98.8±2.4% (relative) at the specification limit for the ten compounds normally reported. For uncertainty information for a specific compound, contact Trace.

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Sample & Report Information

Results of Test: PASS

Sampled For	RecTEC Divers LLC	Analytes	Source Results	Ambient Results	Specification ¹ Allowable Limits
Sampled By	Gerald Bayus	Oxygen, Volume %	20.9	21.0	20-22
Sampled On	5/13/2015	Nitrogen, Volume %	78.2	78.1	N/A
Received On	5/18/2015	Argon, Volume %	0.9	0.9	N/A
Analyzed On	5/19/2015	Nitrogen Plus Argon, Volume %	79.1	N/A	N/A
Sampled From	Compressor	Carbon Monoxide (CO), ppmv	<0.3	<0.3	2
Make	Poseidon	Carbon Dioxide (CO ₂), ppmv	416	432	1000
Model	PFU150	Water Content (H ₂ O), ppmv/Dewpoint, °F	<3.4 / <-91	N/A	N/A / N/A (W)
Serial No.	PFU-15097042405	Atmospheric Dew Point, °F (DT)	-56	N/A	N/A
		TVHC (including CH ₄), ppmv	3.4	7.9	25
		Methane (CH ₄), ppmv	2.6	2.1	N/A
		TVHC (excluding CH ₄), ppmv	0.8	5.8	N/A
		Oil (condensed) & Particulate, mg/m ³	<0.02	N/A	0.1
Hours	2195	Odor (provided by customer)	None/Slight	N/A	None/Slight
Sample Phase	Routine	Other	N/A	N/A	N/A
Customer Comments		Other	N/A	N/A	N/A
		Other	N/A	N/A	N/A

(2) Water content is reported although not required by CGA G-7.1 for breathing air not used in conjunction with SCBA.

(I) This specification for oxygen compatible air is taken from ANSI/CGA G-7.1 Grade E as modified by International Association of Nitrox and Technical Divers (IANTD) in their document Blending Standards, 2003.

(W) Dew point is expressed in °F at one atmosphere pressure absolute.

(DT) Dew point is calculated at 1 atmosphere pressure (14.7 psia) from the detector tube reading.

Report Number 15-13454

Customer ID 32507

Date Reported 5/20/2015

Frequency Quarterly

Next Sample Due Approx. **8/13/2015**

We Do One Thing – Test Compressed Air

www.AirCheckLab.com

PASS

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From:
Trace Analytics, LLC
15768 Hamilton Pool Road
Austin, Texas 78738

800-247-1024 • 512-263-0000
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E-mail service@AirCheckLab.com

To:
Mr. Gerald Bayus, Jr.
RecTEC Divers LLC
101 Leckrone Way
Cortland, OH 44410

TRACEAnalytics^{LLC}

Report 14-26241, Sampled on

9/30/2014**Analysis Certificate**

Next Sample Due Quarterly, Approximately

12/30/2014**RecTEC Divers LLC**

IS IN COMPLIANCE WITH THE AIR/GAS QUALITY PORTION OF THE SPECIFICATION:
OXYGEN COMPAT. AIR-2003 (I) & CGA G-7.1-2011 GRADE E (2)
AS ANALYZED AND REPORTED ON THIS CERTIFICATE
FOR THE SAMPLE DESCRIBED UNDER SECTION "SAMPLE & REPORT INFORMATION"



American Assn for Laboratory Accreditation
1991: Certificate No. 322.01 Chemical Field of Testing

R. A. Smith
Richard A. Smith, Laboratory Director

Analytical Test Methods	Media Sampled	Estimate of Uncertainty
Gases & Vapors CAT-A-01 Gas Chromatography/Mass Spectrometry Oil & Particulate CAT-A-03 Analytical Gravimetry Particle Size CAT-A-04 Optical Microscopy	Source Bottle: 766244 Ambient Bottle: 429338 Source Filter: 3201	The average analytical uncertainty (k=2) is 98.8±2.4% (relative) at the specification limit for the ten compounds normally reported. For uncertainty information for a specific compound, contact Trace.

Results relate only to items tested. This report shall not be reproduced except in full without the written permission of Trace Analytics, LLC

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Sample & Report Information**Results of Test: PASS**

Sampled For	RecTEC Divers LLC	Analytes	Source Results	Ambient Results	Specification ¹ Allowable Limits
Sampled By	Gerald Bayus Jr.	Oxygen, Volume %	20.9	21.0	20-22
Sampled On	9/30/2014	Nitrogen, Volume %	78.2	78.2	N/A
Received On	10/3/2014	Argon, Volume %	0.9	0.8	N/A
Analyzed On	10/3/2014	Nitrogen Plus Argon, Volume %	79.1	N/A	N/A
Sampled From	Compressor	Carbon Monoxide (CO), ppmv	<0.3	<0.3	2
Make	Poseidon	Carbon Dioxide (CO ₂), ppmv	360	383	1000
Model	PFU150	Water Content (H ₂ O), ppmv/Dewpoint, °F	23.5 / -66	N/A	N/A / N/A (W)
Serial No.	PFU-15097042405	Atmospheric Dew Point, °F (DT)	-87	N/A	N/A
		TVHC (including CH ₄), ppmv	2.5	2.5	25
		Methane (CH ₄), ppmv	2.5	2.5	N/A
		TVHC (excluding CH ₄), ppmv	<0.7	<0.7	N/A
		Oil (condensed) & Particulate, mg/m ³	0.04	N/A	0.1
Hours	2195	Odor (provided by customer)	None/Slight	N/A	None/Slight
Sample Phase	Routine	Other	N/A	N/A	N/A
Customer Comments		Other	N/A	N/A	N/A
		Other	N/A	N/A	N/A

(2) Water content is reported although not required by CGA G-7.1 for breathing air not used in conjunction with SCBA.

(I) This specification for oxygen compatible air is taken from ANSI/CGA G-7.1 Grade E as modified by International Association of Nitrox and Technical Divers (IANTD) in their document Blending Standards, 2003.

(W) Dew point is expressed in °F at one atmosphere pressure absolute.

Report Number 14-26241
Customer ID 32507
Date Reported 10/6/2014
Frequency Quarterly
Next Sample Due Approx. **12/30/2014**

PASS

Aircheck Report and Certificate

From:
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15768 Hamilton Pool Road
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E-mail service@AirCheckLab.com

To:
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RecTEC Divers LLC
101 Leckrone Way
Cortland, OH 44410

TRACEAnalytics^{LLC}

Report 14-13082, Sampled on

5/16/2014**Analysis Certificate**

Next Sample Due Quarterly, Approximately

8/16/2014**RecTEC Divers LLC**

IS IN COMPLIANCE WITH THE AIR/GAS QUALITY PORTION OF THE SPECIFICATION:
OXYGEN COMPAT. AIR-2003 (I) & CGA G-7.1-2011 GRADE E (2)
AS ANALYZED AND REPORTED ON THIS CERTIFICATE
FOR THE SAMPLE DESCRIBED UNDER SECTION "SAMPLE & REPORT INFORMATION"



American Assn for Laboratory Accreditation
1991: Certificate No. 322.01 Chemical Field of Testing

R. A. Smith
Richard A. Smith, Laboratory Director

Analytical Test Methods	Media Sampled	Estimate of Uncertainty
Gases & Vapors CAT-A-01 Gas Chromatography/Mass Spectrometry Oil & Particulate CAT-A-03 Analytical Gravimetry Particle Size CAT-A-04 Optical Microscopy	Source Bottle: 762814 Ambient Bottle: 430098 Source Filter: 2153	The average analytical uncertainty (k=2) is 98.8±2.4% (relative) at the specification limit for the ten compounds normally reported. For uncertainty information for a specific compound, contact Trace.

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Sample & Report Information**Results of Test: PASS**

Sampled For	RecTEC Divers LLC	Analytes	Source Results	Ambient Results	Specification ¹ Allowable Limits
Sampled By	Gerald Bayus Jr.	Oxygen, Volume %	21.0	20.9	20-22
Sampled On	5/16/2014	Nitrogen, Volume %	78.1	78.2	N/A
Received On	5/19/2014	Argon, Volume %	0.9	0.9	N/A
Analyzed On	5/19/2014	Nitrogen Plus Argon, Volume %	79.0	N/A	N/A
Sampled From	Compressor	Carbon Monoxide (CO), ppmv	<0.3	<0.3	2
Make	Poseidon	Carbon Dioxide (CO ₂), ppmv	475	524	1000
Model	PFU150	Water Content (H ₂ O), ppmv/Dewpoint, °F	15.3 / -72	N/A	N/A / N/A (W)
Serial No.	PFU-15097042405	Atmospheric Dew Point, °F (DT)	-58	N/A	N/A
		TVHC (including CH ₄), ppmv	2.3	2.0	25
		Methane (CH ₄), ppmv	2.3	2.0	N/A
		TVHC (excluding CH ₄), ppmv	<0.7	<0.7	N/A
		Oil (condensed) & Particulate, mg/m ³	0.02	N/A	0.1
Hours	2173	Odor (provided by customer)	None/Slight	N/A	None/Slight
Sample Phase	Routine	Other	N/A	N/A	N/A
Customer Comments		Other	N/A	N/A	N/A
		Other	N/A	N/A	N/A

(2) Water content is reported although not required by CGA G-7.1 for breathing air not used in conjunction with SCBA.

(I) This specification for oxygen compatible air is taken from ANSI/CGA G-7.1 Grade E as modified by International Association of Nitrox and Technical Divers (IANTD) in their document Blending Standards, 2003.

(W) Dew point is expressed in °F at one atmosphere pressure absolute.

Report Number 14-13082
Customer ID 32507
Date Reported 5/20/2014
Frequency Quarterly
Next Sample Due Approx. **8/16/2014**

PASS

Aircheck Report and Certificate

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To:
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101 Leckrone Way
Cortland, OH 44410

TRACE Analytics LLC

Report 13-32384, Sampled on

12/17/2013



Analysis Certificate

Next Sample Due Quarterly, Approximately

3/17/2014

RecTEC Divers LLC

IS IN COMPLIANCE WITH THE AIR/GAS QUALITY PORTION OF THE SPECIFICATION:
OXYGEN COMPAT. AIR-2003 (I) & CGA G-7.1-2011 GRADE E (2)
AS ANALYZED AND REPORTED ON THIS CERTIFICATE
FOR THE SAMPLE DESCRIBED UNDER SECTION "SAMPLE & REPORT INFORMATION"



American Assn for Laboratory Accreditation
1991: Certificate No. 322.01 Chemical Field of Testing

R.A. Smith
Richard A. Smith, Laboratory Director

Analytical Test Methods	Media Sampled	Estimate of Uncertainty
Gases & Vapors CAT-A-01 Gas Chromatography/Mass Spectrometry Oil & Particulate CAT-A-03 Analytical Gravimetry Particle Size CAT-A-04 Optical Microscopy	Source Bottle: 737158 Ambient Bottle: N/A Source Filter: 148473	The average analytical uncertainty (k=2) is 98.8±2.4% (relative) at the specification limit for the ten compounds normally reported. For uncertainty information for a specific compound, contact Trace.

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Sample & Report Information

Results of Test: PASS

Sampled For	RecTEC Divers LLC	Analytes	Source Results	Ambient Results	Specification ¹ Allowable Limits
Sampled By	Gerald Bayus Jr.	Oxygen, Volume %	20.9	N/A	20-22
Sampled On	12/17/2013	Nitrogen, Volume %	78.3	N/A	N/A
Received On	12/23/2013	Argon, Volume %	0.8	N/A	N/A
Analyzed On	12/23/2013	Nitrogen Plus Argon, Volume %	79.1	N/A	N/A
Sampled From	Compressor	Carbon Monoxide (CO), ppmv	<0.3	N/A	2
Make	Poseidon	Carbon Dioxide (CO ₂), ppmv	14	N/A	1000
Model	PFU150	Water Content (H ₂ O), ppmv/Dewpoint, °F	<3.4 / <91	N/A	N/A / N/A (W)
Serial No.	PFU-15097042405	Atmospheric Dew Point, °F (DT)	-81	N/A	N/A
		TVHC (including CH ₄), ppmv	5.1	N/A	25
		Methane (CH ₄), ppmv	2.7	N/A	N/A
		TVHC (excluding CH ₄), ppmv	2.4	N/A	N/A
		Oil (condensed) & Particulate, mg/m ³	<0.04 (IAV)	N/A	0.1
Hours	2167	Odor (provided by customer)	None/Slight	N/A	None/Slight
Sample Phase	After Filter Change	Other	N/A	N/A	N/A
Customer Comments	All Filters, Air Filters, Separation Filters were changed at 2166 HRS.	Other	N/A	N/A	N/A
		Other	N/A	N/A	N/A

(2) Water content is reported although not required by CGA G-7.1 for breathing air not used in conjunction with SCBA.

(I) This specification for oxygen compatible air is taken from ANSI/CGA G-7.1 Grade E as modified by International Association of Nitrox and Technical Divers (IANTD) in their document Blending Standards, 2003.

(W) Dew point is expressed in °F at one atmosphere pressure absolute.

(DT) Dew point is calculated from the detector tube reading.

(IAV) To ensure accuracy, the air volume should be sufficient to provide a limit of quantitation of <1/4 of the specification limit; in this case 1000 L. Please refer to sampling instructions or contact Customer Service.

PASS

Aircheck Report and Certificate

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101 Leckrone Way
Cortland, OH 44410

TRACE Analytics LLC

Report 13-32385, Sampled on

12/8/2013



Analysis Certificate

Next Sample Due Quarterly, Approximately

3/8/2014

RecTEC Divers LLC

IS IN COMPLIANCE WITH THE AIR/GAS QUALITY PORTION OF THE SPECIFICATION:
OXYGEN COMPAT. AIR-2003 (I) & CGA G-7.1-2011 GRADE E (2)
AS ANALYZED AND REPORTED ON THIS CERTIFICATE
FOR THE SAMPLE DESCRIBED UNDER SECTION "SAMPLE & REPORT INFORMATION"



American Assn for Laboratory Accreditation
1991: Certificate No. 322.01 Chemical Field of Testing

R. A. Smith
Richard A. Smith, Laboratory Director

Analytical Test Methods	Media Sampled	Estimate of Uncertainty
Gases & Vapors CAT-A-01 Gas Chromatography/Mass Spectrometry Oil & Particulate CAT-A-03 Analytical Gravimetry Particle Size CAT-A-04 Optical Microscopy	Source Bottle: 729202 Ambient Bottle: 428239 Source Filter: 1968	The average analytical uncertainty (k=2) is 98.8±2.4% (relative) at the specification limit for the ten compounds normally reported. For uncertainty information for a specific compound, contact Trace.

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Sample & Report Information

Results of Test: PASS

Sampled For	RecTEC Divers LLC	Analytes	Source Results	Ambient Results	Specification ¹ Allowable Limits
Sampled By	Gerald Bayus Jr.	Oxygen, Volume %	20.7	20.9	20-22
Sampled On	12/8/2013	Nitrogen, Volume %	78.4	78.2	N/A
Received On	12/23/2013	Argon, Volume %	0.9	0.9	N/A
Analyzed On	12/23/2013	Nitrogen Plus Argon, Volume %	79.3	N/A	N/A
Sampled From	Compressor	Carbon Monoxide (CO), ppmv	<0.3	<0.3	2
Make	Poseidon	Carbon Dioxide (CO ₂), ppmv	<4	1117	1000
Model	PFU150	Water Content (H ₂ O), ppmv/Dewpoint, °F	<3.4 / <91	N/A	N/A / N/A (W)
Serial No.	PFU-15097042405	Atmospheric Dew Point, °F (DT)	-67	N/A	N/A
		TVHC (including CH ₄), ppmv	4.7	11.8	25
		Methane (CH ₄), ppmv	2.7	3.6	N/A
		TVHC (excluding CH ₄), ppmv	2.0	8.2	N/A
		Oil (condensed) & Particulate, mg/m ³	<0.05 (IAV)	N/A	0.1
Hours	2166	Odor (provided by customer)	None/Slight	N/A	None/Slight
Sample Phase	After Filter Change	Other	N/A	N/A	N/A
Customer Comments		Other	N/A	N/A	N/A
		Other	N/A	N/A	N/A

(2) Water content is reported although not required by CGA G-7.1 for breathing air not used in conjunction with SCBA.

(I) This specification for oxygen compatible air is taken from ANSI/CGA G-7.1 Grade E as modified by International Association of Nitrox and Technical Divers (IANTD) in their document Blending Standards, 2003.

(W) Dew point is expressed in °F at one atmosphere pressure absolute.

(DT) Dew point is calculated from the detector tube reading.

(IAV) To ensure accuracy, the air volume should be sufficient to provide a limit of quantitation of <1/4 of the specification limit; in this case 1000 L. Please refer to sampling instructions or contact Customer Service.

PASS