TRACE Analytics LLC

PASS

Certificate of Analysis

High Coast Diving

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

CGA G-7.1-2018 Grade E (0) & L(0)

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

ACCREDITED
CHEMICAL TESTING LABORATORY
CERTIFICATION
#0322.01

Analytical Test Methods:			Media Sampled:		Estimate of Uncertainty:
Gases & Vapors:	CAT-A-01	Gas Chromatography/Mass Spectrometry	Source Bottle:	7010332	The average estimate of uncertainty at standard specification limits for 10 compounds normally reported is ±3.24%, at a 95% confidence interval (k=2). For more detailed uncertainty information, contact Trace Analytics, LLC.
Oil & Particulate:	CAT-A-03	Analytical Gravimetry	Ambient Bottle:	440350	
Particle Size:	CAT-A-04	Optical Microscopy	Source Filter:	9178	
Pressure Dew Point:	CAT-A-07	Gas Detector Tube	Detector Tube:	Draeger 5-a/P	

Maria Sandoval, Laboratory Director

Results of Test: PASS

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

To:
MR. DANIEL HOLMBERG
PARKGATAN 7
VASTERNORRLAND, 89134
SWEDEN
SWEDEN

Analytes	Source Results (1)	Ambient Results	Specification Allowable Limits
Oxygen, Volume %	20.9	20.9	20-22
Nitrogen, Volume %	78.1	78.2	N/A
Argon, Volume %	1.0	0.9	N/A
Nitrogen Plus Argon, Volume %	79.1	N/A	N/A
Carbon Monoxide (CO), ppmv	<0.5	0.9	10
Carbon Dioxide (CO2), ppmv	36	512	1000
Water Content (H2O), ppmv/Dewpoint, °F (DT)	3 / -91	N/A	24 / -65 (W)
TVHC (including CH4), ppmv	7.5	8.1	25
Methane (CH4) ppmv	1.9	2.0	N/A
TVHC (excluding CH4), ppmv	5.6	6.1	N/A
Oil (condensed) & Particulate, mg/m3	<0.02	N/A	5
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.
(DT) Water content Pass/Fail was determined by water vapor detector tube analysis.

(0) This specification is for applications where the CGA G-7.1 SCBA requirement for water content is employed. It combines the stricter limits of the Grades L and E.
(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.

Sample & Report Information

Sampled For	High Coast Diving
Sampled By	Daniel Holmberg
Sampled On	7/10/2023
Received On	7/19/2023
Analyzed On	7/20/2023
Sampled From	Compressor
Make	Hamworthy
Model	BP17V
Serial No.	82219
Hours	2725
Sample Phase	After Filter Change
Customer Comments	
Report Number	23-18885
Customer ID	4806
Date Reported	7/20/2023
Frequency	Semi-Annual