



Rec & Tek SCUBA Inc.

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

CSA Z180.1-2019 & Oxygen Compatible Air-2003 (I)

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

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Analytical Test Methods:			Media Sampled:		Estimate of Uncertainty:		
Gases & Vapors:	CAT-A-01	Gas Chromatography/Mass Spectrometry	Source Bottle:	7007872	The average estimate of uncertainty at standard specification limits for 10		
Oil & Particulate:	CAT-A-03	Analytical Gravimetry	Ambient Bottle:		compounds normally reported is ±3.24%, at a 95% confidence interval		
Particle Size:	CAT-A-04	Optical Microscopy	Source Filter:	0000	(k=2). For more detailed uncertainty information, contact Trace Analytics,		
Pressure Dew Point:	CAT-A-07	Gas Detector Tube	Detector Tube:	Draeger 5-a/P	LLC.		

Maria Sandoval, Laboratory Director

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

To:

MR. MITCHELL WILSON REC & TEK SCUBA INC. 529 UPPER SHERMAN AVENUE HAMILTON, ON L8V 3L9 CANADA

ST:	PASS				Sample & Re	eport Information
	Analytes	Source Results (1)	Ambient Results	Specification Allowable Limits	Sampled For	Rec & Tek SCUBA Inc.
	Oxygen, Volume %	20.6	N/A	20-22	Sampled By	Glenn Turner
	Nitrogen, Volume %	78.5	N/A	N/A	Sampled On	6/17/2022
	Argon, Volume %	0.9	N/A	N/A	Received On	6/28/2022
	Nitrogen Plus Argon, Volume %	79.4	N/A	78-80	Analyzed On	6/30/2022
	Carbon Monoxide (CO), ppmv	0.5	N/A	2	Sampled From	Compressor
-	Carbon Dioxide (CO2), ppmv	342	N/A	500	Make	Bauer
	Water Content (H2O), ppmv/Dewpoint, °F (DT)	9 / -77	N/A	27 / -63 (W	Model	K-12-3EU
	TVHC (including CH4), ppmv	8.3	N/A	15	Serial No.	96 / 1945 / 07
	Methane (CH4) ppmv	3.4	N/A	10	Cylinder(s)	4
	TVHC (excluding CH4), ppmv	4.9	N/A	5	Other ID	Compressor Room
	Oil (condensed) & Particulate, mg/m3	0.03	N/A	0.1		
	Odor (provided by customer)	None/Slight	N/A	None/Slight		
	Halogenated Hydrocarbons, ppmv	<0.1	N/A	5	Hours	820
	Atmospheric Dewpoint, °C (L)	-61	N/A	-53	Sample Phase	After Filter Change
	Other N/A N/A N/A					
	(1) Results apply to the sample as received from the customer. I	" ,	Comments			
	(DT) Water content Pass/Fail was determined by water vapor det (I) CGA G-7.1 Grade E as modified by IANTD in their document	,				
	(L) Dew Point (DP) for CSA Z180.1-19: In cylinders and piping		Report Number	22-18483		
	breathing air in cylinders or piping operating at pressures equal t		Customer ID	4020		
	exceeding 5°C (9°F) below the lowest temperature to which the (W) Dew point is expressed in °F at one atmosphere pressure a		Date Reported	6/30/2022		
	(DT) Detector tube readings performed by the customer. Dew poi		Frequency	Semi-Annual		
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