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Compressed Breathing Air Analysis

High Pressure (2216 psig)

Test Date:	September 26, 2016	Job #	43090
Sample Collection Date:	September 23, 2016		
Submitted By:	T3 Safety Rentals		
Compressor:	Ingersoll Rand	Serial #:	844
Sampling Location:	17886-106 ave	Cylinder #	HPFT21

Compounds Present	Maximum Allowable CSA Z180.1	Measured Quantity
Oxygen	20% - 22%	21 %
Nitrogen & Rare Gases	78% - 80%	79 %
Carbon Monoxide	5 ppm	< 0.75 ppm
Carbon Dioxide	600 ppm	< 6.1 ppm
Methane	10 ppm	2.0 ppm
Volatile Non-Methane Hydrocarbons	5 ppm	< 0.44 ppm
Volatile Halogenated Hydrocarbons	5 ppm	< 0.2 ppm
Odour	Free of Pronounced Odour	None
Oil, Particulates & Condensates	1 mg / m3	< 0.1 mg / m3
Sample Dew Point	Minus 53 degrees C/27ppm	-69.4 °C 2.8 ppm

Sample Passed

The dewpoint, as measured in the above sample, limits the use of the compressed air to the pressure dew point temperature defined in Table 1 (Z180.1-13). The MEASURED quantities are otherwise WITHIN ... the limits of the standard Z180.1.

Results apply only to the sample tested. This report may not be reproduced, except in full, without written consent from AirChekLab. (721250251)

Compressed breathing air in cylinders and piping operating at pressures equal to or greater than 2216 psig

a) shall have an ATMOSPHERIC DEW POINT equal to or below -53 °C (27 ppm)

b) should have a PRESSURE DEW POINT 5°C below the lowest temperature to which the cylinder and piping may be exposed at any season of the year.

Suggested next testing date in accordance with CSA Standard

March 26, 2017

Analyst: B. Nadwidny