

FY17-50



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Compressed Breathing Air Analysis

Ambient Pressure (Below 15 psig)

Test Date: December 5, 2024 Job # 82019
Sample Collection Date: December 5, 2024 Sample Received: December 5, 2024
Submitted By: Challand Pipelines
Compressor: Atlas Copco XATS 400 Serial #: 476
Cylinder #: AMB 04 Unit #: .
Sampling Location: Challand Yard

Compounds Present	Maximum Allowable CSA Z180.1	Measured Quantity
ACM02		
Oxygen	20% - 22%	21 %
ACM05		
Nitrogen & Rare Gases	78% - 80%	79 %
Carbon Monoxide	5 ppm	< 0.75 ppm
Carbon Dioxide	600 ppm	428.4 ppm
Methane	10 ppm	2.9 ppm
Volatile Non-Methane Hydrocarbons	5 ppm	< 0.44 ppm
Volatile Halogenated Hydrocarbons	5 ppm	< 0.2 ppm
ACM04		
Odour	Free of Pronounced Odour	None
ACM03		
Oil, Particulates & Condensates	1 mg / m3	< 0.1 mg / m3

Sample Passed

Results apply to sample as received. Data provided during sample collection is used in the calculation of ACM03. Analysis was conducted under controlled environmental conditions.

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Val: 12-2

117451.5 R.1.2

Suggested next testing date in accordance
with CSA Standard

June 5, 2025

Analyst: G. McDougall

Entered by:



Digitally signed
by Jeff McAlpine -
General Manager
Date: 2024.12.06
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