

Machine Id  
**North Big Ridge 2**  
Component  
**Compressor**  
Fluid  
**PETRO CANADA TURBOFLO R&O 150 (55 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PCA0103447</b>	PCA0103446	PCA0103445
Sample Date		Client Info		<b>02 Apr 2024</b>	01 Mar 2024	01 Feb 2024
Machine Age	hrs	Client Info		<b>103131</b>	102315	101576
Oil Age	hrs	Client Info		<b>14457</b>	13641	12902
Filter Age	hrs	Client Info		<b>14457</b>	13641	12902
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	<b>&lt;1</b>	0	0
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>1</b>	<1	0
Lead	ppm	ASTM D5185m	>25	<b>1</b>	0	<1
Copper	ppm	ASTM D5185m	>50	<b>&lt;1</b>	0	0
Tin	ppm	ASTM D5185m	>15	<b>1</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

**CONTAMINATION**

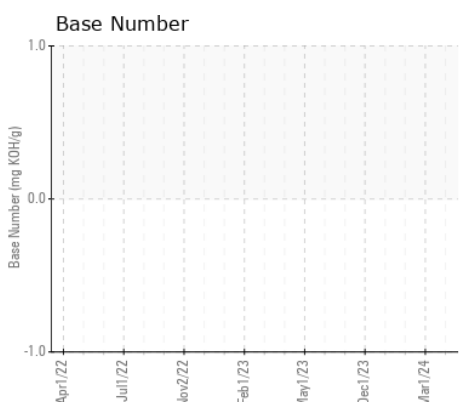
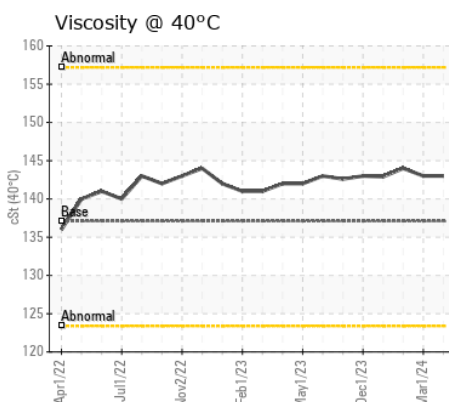
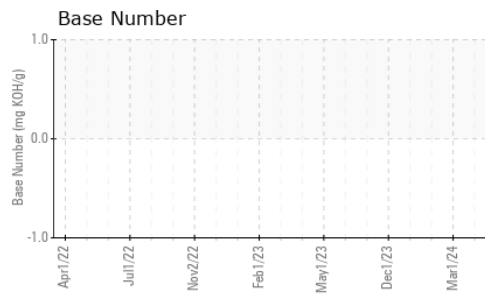
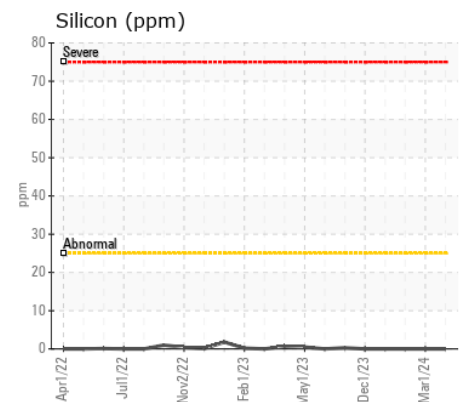
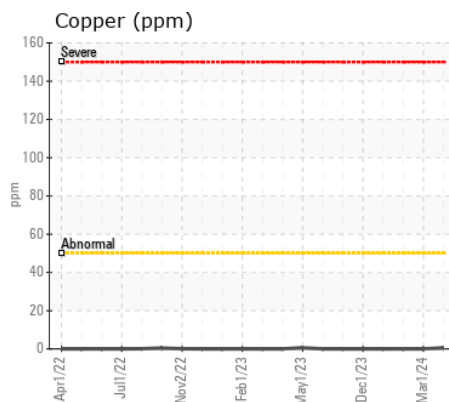
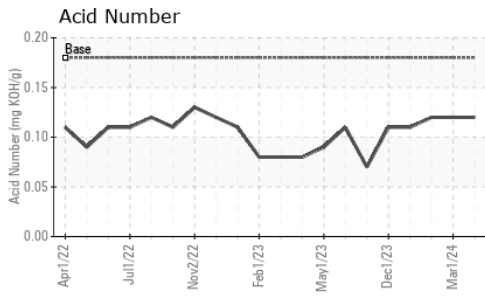
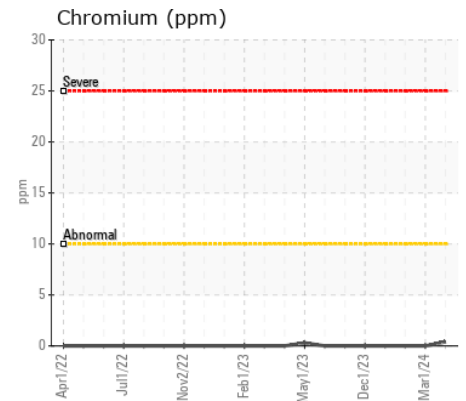
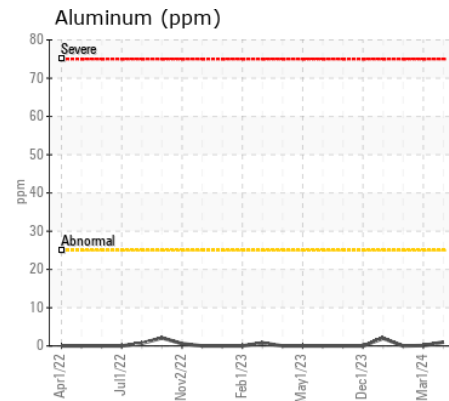
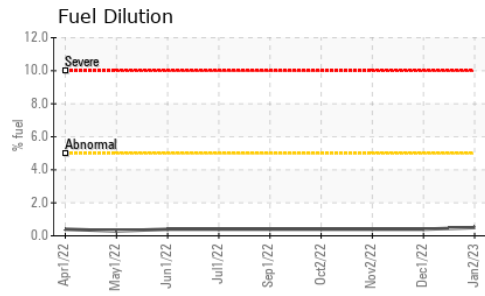
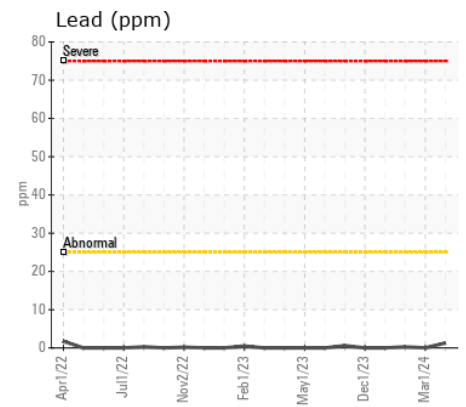
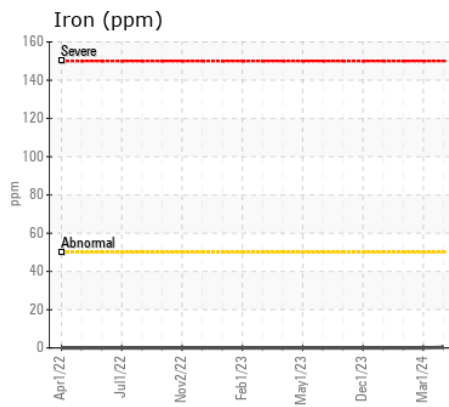
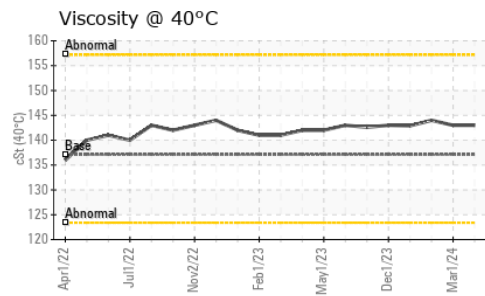
There is no indication of any contamination in the component.

Silicon	ppm	ASTM D5185m	>25	<b>0</b>	0	0
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	1	2
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>0</b>	1	1
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Magnesium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	1
Calcium	ppm	ASTM D5185m	0	<b>4</b>	14	3
Phosphorus	ppm	ASTM D5185m	4	<b>8</b>	10	4
Zinc	ppm	ASTM D5185m	0	<b>&lt;1</b>	6	0
Sulfur	ppm	ASTM D5185m		<b>579</b>	609	619
Acid Number (AN)	mg KOH/g	ASTM D8045	0.18	<b>0.12</b>	0.12	0.12
Visc @ 40°C	cSt	ASTM D445	137.1	<b>143</b>	143	144



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0103447 **Received** : 11 Apr 2024  
**Lab Number** : 06146014 **Tested** : 15 Apr 2024  
**Unique Number** : 10976092 **Diagnosed** : 15 Apr 2024 - Don Baldrige  
**Test Package** : MOB 2 ( Additional Tests: FuelDilution, PercentFuel, TBN )

**ENERVEST OPERATING - NORTH BIG RIDGE**  
 1426 PALMER STREET  
 CLINCHCO, VA  
 US 24226  
 Contact: Service Manager

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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F: