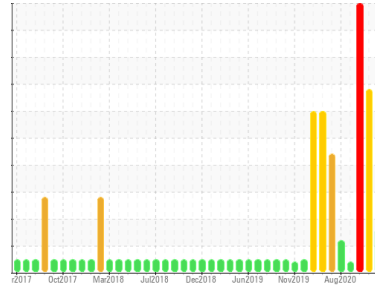


Area  
**Gas Compression [450258386]**  
Machine Id  
**Compressor (HP2) - Lubrication System (S/N Sample Tag XX-23004-S1)**  
Component  
**Lube System**  
Fluid  
**PETRO CANADA TURBOFLO XL32 (10350 LTR)**



**DIAGNOSIS**

**Recommendation**  
We recommend you service the filters on this component. Resample at the next service interval to monitor.

**Wear**  
All component wear rates are normal.

**Contamination**  
There is a light amount of silt (particulates < 14 microns in size) present in the oil. The water content is negligible.

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

**SAMPLE INFORMATION**

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PC0076669</b>	PC0076384	PC
Sample Date	Client Info	<b>29 Jan 2024</b>	05 Jan 2024	02 Mar 2022
Machine Age	hrs	<b>0</b>	0	0
Oil Age	hrs	<b>0</b>	0	0
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>ATTENTION</b>	SEVERE	SEVERE

**WEAR METALS**

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m) >20	<b>0</b>	<1	0
Chromium	ppm	ASTM D5185(m) >10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m) >10	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	<1	0
Lead	ppm	ASTM D5185(m) >20	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m) >20	<b>0</b>	0	<1
Tin	ppm	ASTM D5185(m) >10	<b>0</b>	0	0
Antimony	ppm	ASTM D5185(m)	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	0	0

**ADDITIVES**

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m) 0	<b>0</b>	0	<1
Barium	ppm	ASTM D5185(m) 0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m) 0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m) 0	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m) 0	<b>&lt;1</b>	0	0
Calcium	ppm	ASTM D5185(m) 0	<b>&lt;1</b>	<1	<1
Phosphorus	ppm	ASTM D5185(m) 5	<b>2</b>	2	98
Zinc	ppm	ASTM D5185(m) 0	<b>1</b>	<1	<1
Sulfur	ppm	ASTM D5185(m) 750	<b>657</b>	674	187
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1

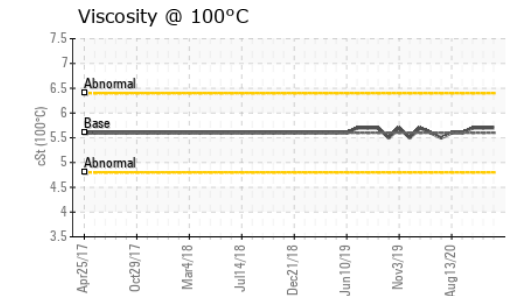
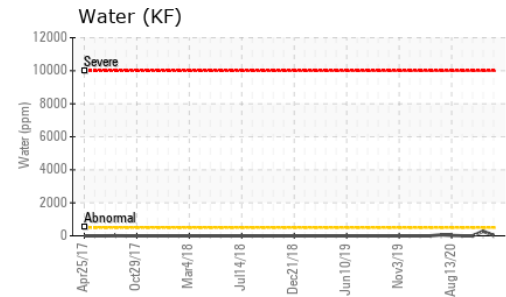
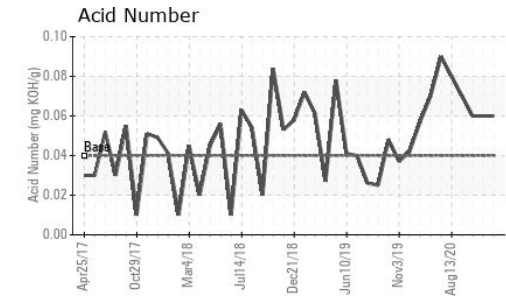
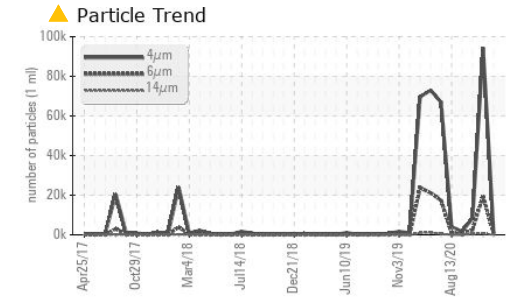
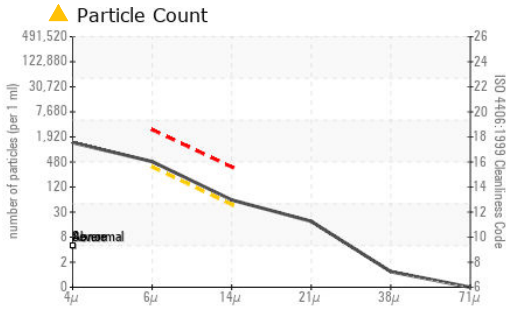
**CONTAMINANTS**

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m) >15	<b>0</b>	4	1
Sodium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Potassium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	<1	<1
Water	%	ASTM D6304* >0.05	<b>0.002</b>	0.028	---
ppm Water	ppm	ASTM D6304* >500	<b>23</b>	282	---

**FLUID CLEANLINESS**

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	<b>1227</b>	94384	8386
Particles >6µm	ASTM D7647 >320	<b>▲ 432</b>	19560	2623
Particles >14µm	ASTM D7647 >40	<b>▲ 52</b>	612	389
Particles >21µm	ASTM D7647 >10	<b>▲ 16</b>	108	108
Particles >38µm	ASTM D7647 >3	<b>1</b>	5	8
Particles >71µm	ASTM D7647 >3	<b>0</b>	1	0
Oil Cleanliness	ISO 4406 (c) >--/15/12	<b>▲ 17/16/13</b>	24/21/16	20/19/16

# OIL ANALYSIS REPORT



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0076669 **Received** : 16 Feb 2024  
**Lab Number** : 02616238 **Tested** : 20 Feb 2024  
**Unique Number** : 5733348 **Diagnosed** : 20 Feb 2024 - Kevin Marson  
**Test Package** : MAR 2 ( Additional Tests: KF, KV100, TAN Man, VI )

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.04	<b>0.06</b>	0.06	0.06

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	VLITE
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*	>0.05	<b>.2%</b>	.2%	▲.2%
Free Water	scalar	Visual*		<b>NEG</b>	NEG	◆1%

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	33.86	<b>33.8</b>	33.9	33.7
Visc @ 100°C	cSt	ASTM D7279(m)	5.60	<b>5.7</b>	5.7	5.7
Viscosity Index (VI)	Scale	ASTM D2270*	101	<b>108</b>	107	108

SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						
Bottom						