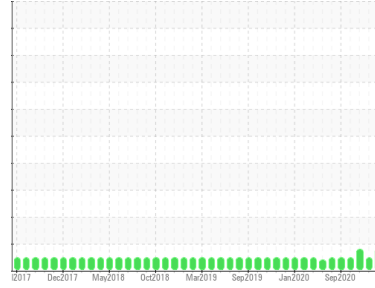


Area  
**Gas Compression**  
Machine Id  
**Compressor (MP)- Lubrication System (S/N Sample Tag XX-23002-S1)**  
Component  
**Lube System**  
Fluid  
**PETRO CANADA TURBOFLO XL32 (10350 LTR)**



**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.

**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>PC</b>	PC0076383	PC0078233
Sample Date	Client Info	<b>08 Feb 2024</b>	05 Jan 2024	27 Nov 2023
Machine Age	hrs	Client Info	<b>0</b>	0
Oil Age	hrs	Client Info	<b>0</b>	0
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>ATTENTION</b>	NORMAL	ABNORMAL

**CONTAMINATION** method limit/base current history1 history2

Water	WC Method	>0.05	<b>NEG</b>	NEG	NEG
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**WEAR METALS** method limit/base current history1 history2

PQ	ASTM D8184*		<b>0</b>	---	0
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	<1
Lead	ppm	ASTM D5185(m) >20	<b>0</b>	0	<1
Copper	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	<1	<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

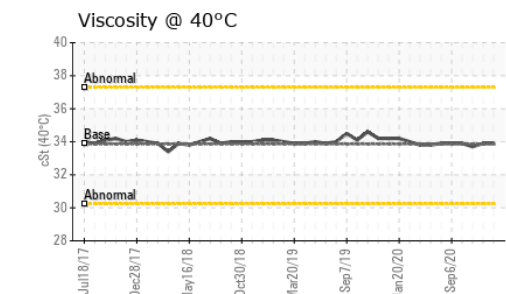
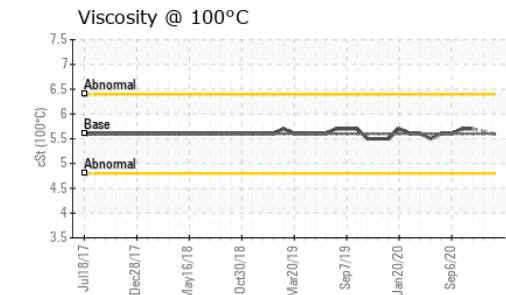
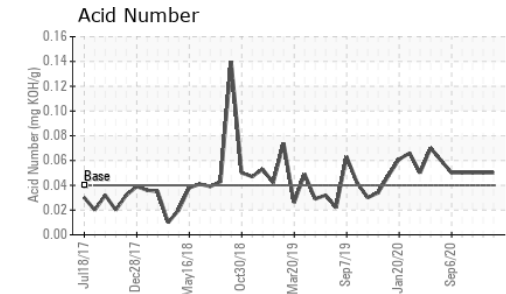
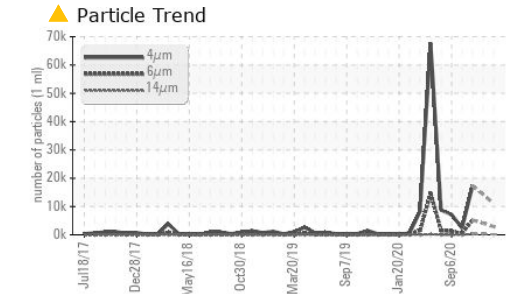
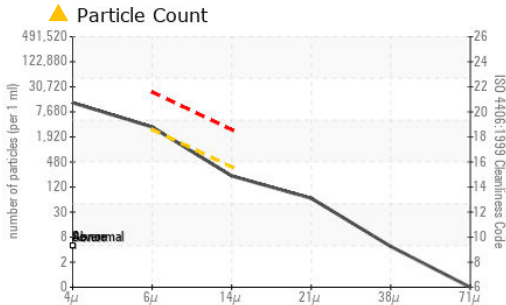
**ADDITIVES** method limit/base current history1 history2

Boron	ppm	ASTM D5185(m) 0	<b>&lt;1</b>	<1	0
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>	<1	<1
Calcium	ppm	ASTM D5185(m) 0	<b>&lt;1</b>	1	1
Phosphorus	ppm	ASTM D5185(m) 5	<b>70</b>	75	76
Zinc	ppm	ASTM D5185(m) 0	<b>1</b>	2	2
Sulfur	ppm	ASTM D5185(m) 750	<b>552</b>	501	462
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>2</b>	2	2
Sodium	ppm	ASTM D5185(m)	<b>0</b>	1	<1
Potassium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	<1	0

# OIL ANALYSIS REPORT



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC **Received** : 12 Feb 2024  
**Lab Number** : **02615034** **Tested** : 14 Feb 2024  
**Unique Number** : 5724129 **Diagnosed** : 14 Feb 2024 - Kevin Marson  
**Test Package** : MAR 2 ( Additional Tests: KV100, PQ, 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.

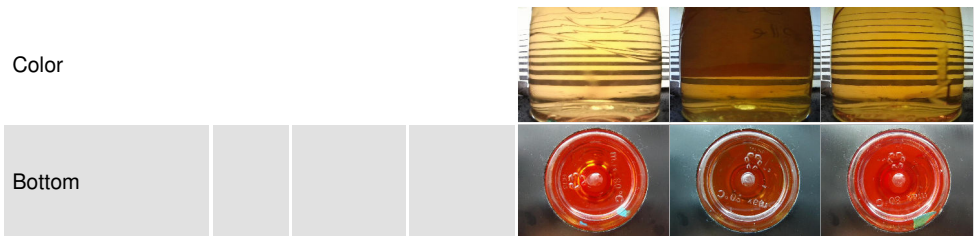
FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647		<b>11069</b>	---	17375
Particles >6µm	ASTM D7647	>2500	<b>▲ 2906</b>	---	<b>▲ 5197</b>
Particles >14µm	ASTM D7647	>320	<b>196</b>	---	261
Particles >21µm	ASTM D7647	>80	<b>57</b>	---	51
Particles >38µm	ASTM D7647	>20	<b>4</b>	---	4
Particles >71µm	ASTM D7647	>4	<b>0</b>	---	1
Oil Cleanliness	ISO 4406 (c)	>--/18/15	<b>▲ 21/19/15</b>	---	<b>▲ 21/20/15</b>

FLUID DEGRADATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D974*	0.04	<b>0.05</b>	0.05	0.05

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>VLITE</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>NEG</b>	.5%	NEG
Free Water	scalar Visual*		<b>NEG</b>	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D7279(m)	33.86	<b>33.9</b>	33.9	33.7
Visc @ 100°C	cSt ASTM D7279(m)	5.60	<b>5.6</b>	---	5.7
Viscosity Index (VI)	Scale ASTM D2270*	101	<b>102</b>	---	108

## SAMPLE IMAGES



**Suncor - Terra Nova Projects**  
 Scotia Centre, 235 Water Street  
 St. John's, NL  
 CA A1C 1B6  
 Contact: Josh Hynes  
 joshynes@suncor.com  
 T: (709)778-3575  
 F: (709)724-2835