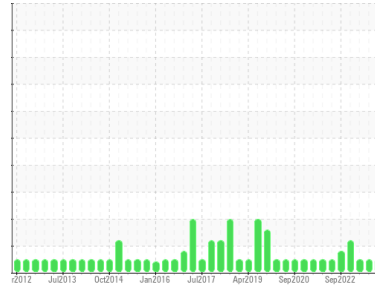




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**5 Utilities/030 Boiler House/C Compressor/707 #7 Air Compressor**  
 Machine Id  
**N/A 30C707 CENTR.**

Component  
**Centrifugal Compressor**

Fluid  
**PETRO CANADA TURBOFLO 32 (200 LTR)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The water content is negligible. The system and fluid cleanliness is acceptable.

### 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>WC0925275</b>	WC0894086	WC0831867
Sample Date	Client Info		<b>01 Apr 2024</b>	05 Jan 2024	02 Nov 2023
Machine Age	hrs	Client Info	<b>0</b>	0	0
Oil Age	hrs	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>50	<b>0</b>	0
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	0
Nickel	ppm	ASTM D5185(m)		<b>0</b>	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1
Aluminum	ppm	ASTM D5185(m)	>25	<b>0</b>	<1
Lead	ppm	ASTM D5185(m)	>25	<b>0</b>	<1
Copper	ppm	ASTM D5185(m)	>50	<b>&lt;1</b>	<1
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	0
Antimony	ppm	ASTM D5185(m)		<b>0</b>	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	<b>0</b>	<1
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0
Molybdenum	ppm	ASTM D5185(m)	0	<b>0</b>	0
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0
Magnesium	ppm	ASTM D5185(m)	0	<b>0</b>	0
Calcium	ppm	ASTM D5185(m)	0	<b>0</b>	<1
Phosphorus	ppm	ASTM D5185(m)	120	<b>&lt;1</b>	<1
Zinc	ppm	ASTM D5185(m)	0.0	<b>&lt;1</b>	1
Sulfur	ppm	ASTM D5185(m)	0	<b>601</b>	659
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1

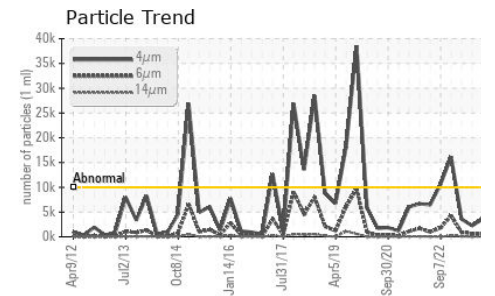
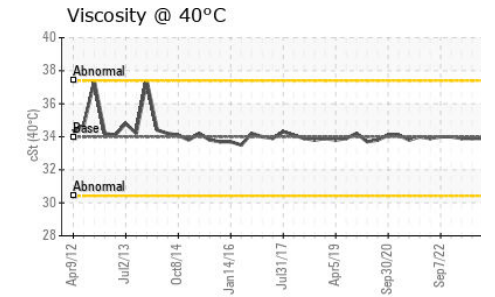
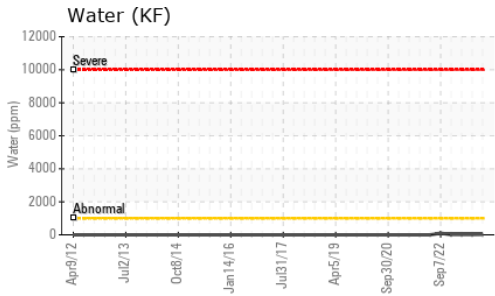
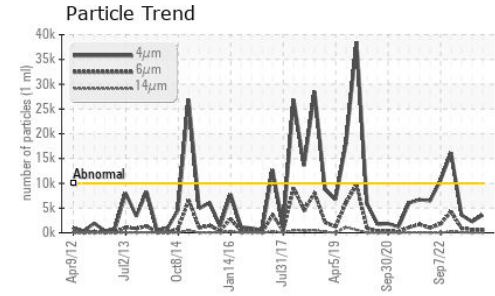
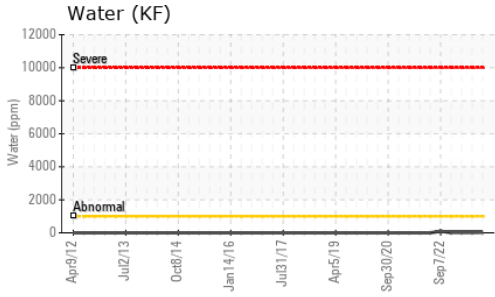
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	<b>0</b>	0
Sodium	ppm	ASTM D5185(m)		<b>0</b>	<1
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1
Water	%	ASTM D6304*	>0.1	<b>0.002</b>	0.001
ppm Water	ppm	ASTM D6304*	>1000	<b>18</b>	3

## FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	<b>3577</b>	2257	3552
Particles >6µm	ASTM D7647	>2500	<b>678</b>	655	870
Particles >14µm	ASTM D7647	>320	<b>25</b>	43	104
Particles >21µm	ASTM D7647	>80	<b>8</b>	14	34
Particles >38µm	ASTM D7647	>20	<b>1</b>	2	3
Particles >71µm	ASTM D7647	>4	<b>0</b>	1	0
Oil Cleanliness	ISO 4406 (c)	>20/18/15	<b>19/17/12</b>	18/17/13	19/17/14

# OIL ANALYSIS REPORT

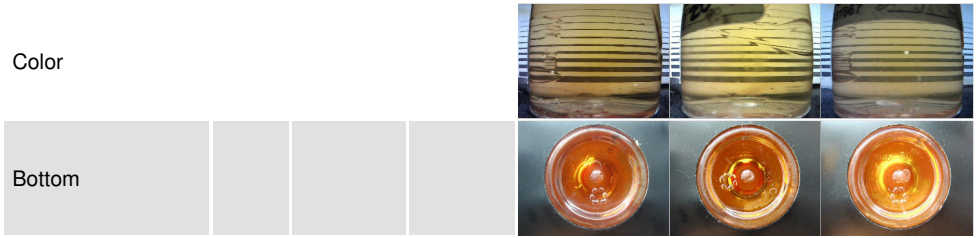


FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.04	<b>0.06</b>	0.04	0.05

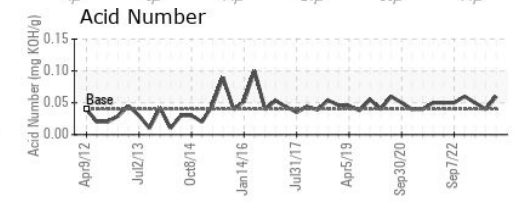
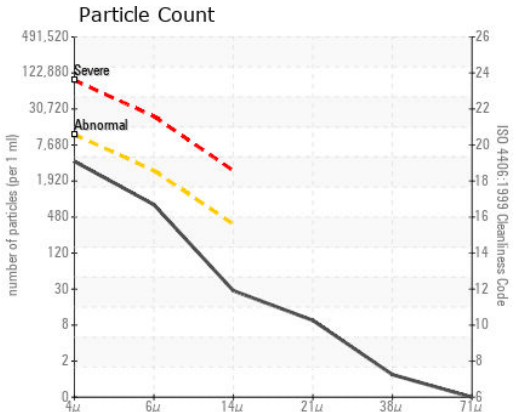
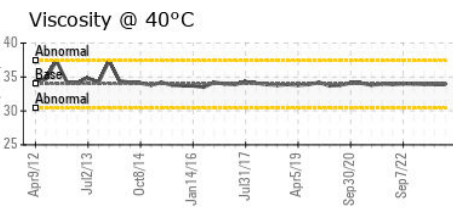
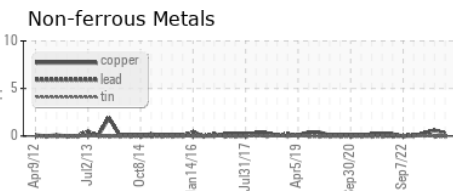
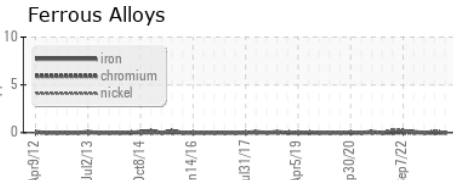
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	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
Free Water	scalar	Visual*		<b>NEG</b>	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	34.0	<b>33.9</b>	33.9	33.9

SAMPLE IMAGES		method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0925275 **Received** : 02 Apr 2024  
**Lab Number** : **02626076** **Tested** : 03 Apr 2024  
**Unique Number** : 5759208 **Diagnosed** : 03 Apr 2024 - Kevin Marson  
**Test Package** : IND 2 ( Additional Tests: KF, TAN Man )

**Petro Canada Lubricants Inc.**  
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 Contact: Kyle Blezard  
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 F: (905)822-6025

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.