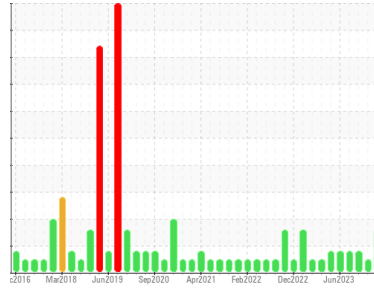


# OIL ANALYSIS REPORT

Sample Rating Trend



Area  
**TEAM 1**  
Machine Id  
**122108 ID Fan Inboard (S/N 122108 Inboard Brg)**  
Component  
**Bearing**  
Fluid  
**PETRO CANADA TURBOFLO R&O 150 (1 GAL)**

## DIAGNOSIS

**Recommendation**  
We advise that you check all areas where dirt can enter the system. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. We recommend an early resample to monitor this condition.

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

**Contamination**  
There is a moderate concentration of dirt present in the oil.

**Fluid Condition**  
The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PC0078806</b>	PC0074821	PC0070438
Sample Date	Client Info	<b>22 Jan 2024</b>	05 Oct 2023	10 Aug 2023
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>ABNORMAL</b>	NORMAL	ATTENTION

## WEAR METALS

method	limit/base	current	history1	history2
Iron ppm	ASTM D5185(m) >20	<b>8</b>	3	5
Chromium ppm	ASTM D5185(m) >20	<b>0</b>	0	0
Nickel ppm	ASTM D5185(m) >20	<b>&lt;1</b>	0	<1
Titanium ppm	ASTM D5185(m)	<b>0</b>	0	0
Silver ppm	ASTM D5185(m)	<b>0</b>	<1	0
Aluminum ppm	ASTM D5185(m) >20	<b>&lt;1</b>	0	<1
Lead ppm	ASTM D5185(m) >20	<b>17</b>	23	▲ 39
Copper ppm	ASTM D5185(m) >20	<b>3</b>	2	2
Tin ppm	ASTM D5185(m) >20	<b>3</b>	<1	<1
Antimony ppm	ASTM D5185(m)	<b>&lt;1</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)	<b>0</b>	<1	2
Barium ppm	ASTM D5185(m)	<b>0</b>	<1	0
Molybdenum ppm	ASTM D5185(m)	<b>0</b>	0	0
Manganese ppm	ASTM D5185(m)	<b>0</b>	0	<1
Magnesium ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	2
Calcium ppm	ASTM D5185(m) 0	<b>5</b>	3	6
Phosphorus ppm	ASTM D5185(m) 4	<b>11</b>	7	8
Zinc ppm	ASTM D5185(m) 0	<b>15</b>	6	11
Sulfur ppm	ASTM D5185(m)	<b>2579</b>	1138	2263
Lithium ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1

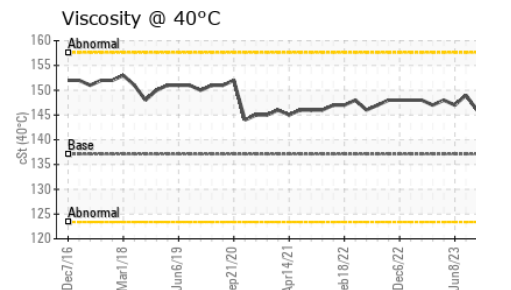
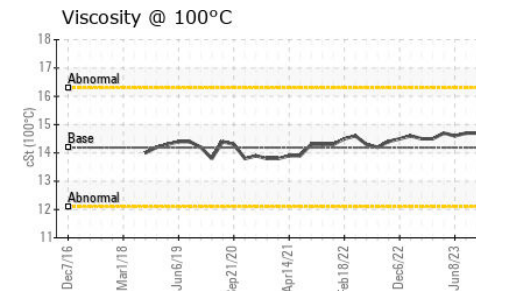
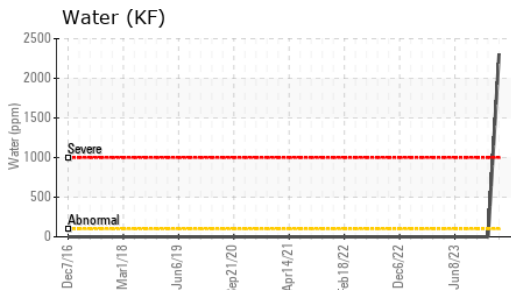
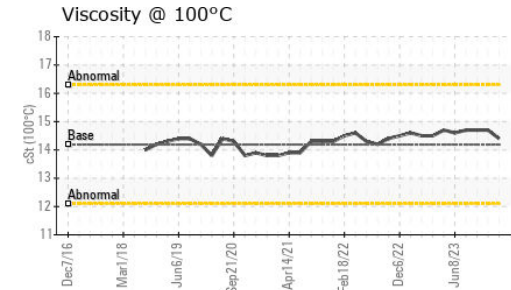
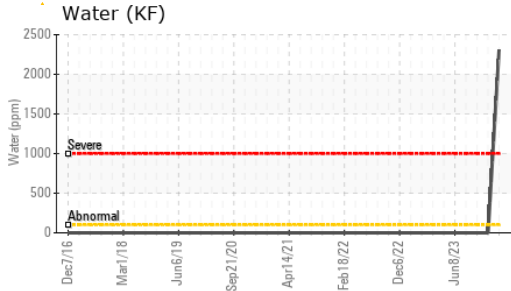
## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185(m) >15	▲ <b>18</b>	<1	<1
Sodium ppm	ASTM D5185(m)	<b>&lt;1</b>	1	3
Potassium ppm	ASTM D5185(m) >20	<b>&lt;1</b>	0	<1
Water %	ASTM D6304* >2	<b>0.230</b>	---	---
ppm Water	ASTM D6304*	<b>2305</b>	---	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g	ASTM D974* 0.18	<b>0.14</b>	---	0.08

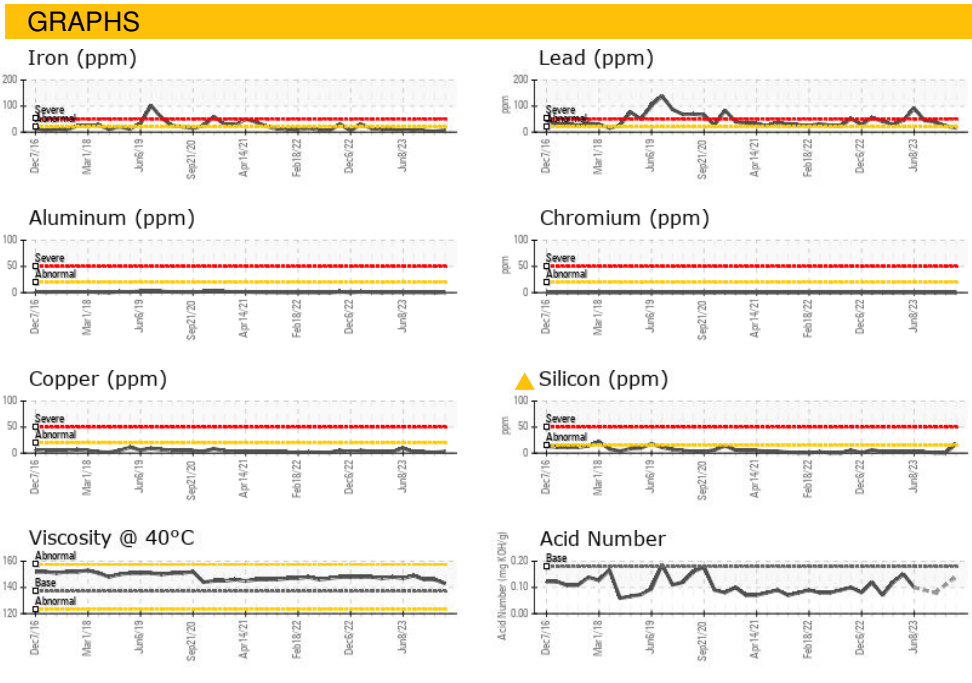
# OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	VLITE	NONE
Debris	scalar	Visual*	NONE	VLITE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>2	.2%	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	137.1	146	146
Visc @ 100°C	cSt	ASTM D7279(m)	14.19	14.7	14.7
Viscosity Index (VI)	Scale	ASTM D2270*	101	99	99

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0078806 **Received** : 31 Jan 2024  
**Lab Number** : 02612453 **Diagnosed** : 02 Feb 2024  
**Unique Number** : 5721548 **Diagnostician** : Bill Quesnel  
**Test Package** : MOB 2 ( Additional Tests: KF, KV100, TAN Man, VI )

**Dryden Fibre**  
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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.