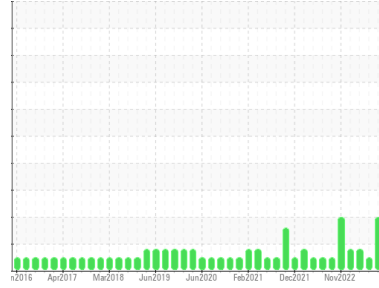


Area  
**TEAM 1**  
Machine Id  
**136110 Secondary Air FD Fan Outboard**  
Component  
**Bearing**  
Fluid  
**PETRO CANADA TURBOFLO R&O 68 (1 QTS)**



**DIAGNOSIS**

**Recommendation**  
We advise that you check for visible metal particles in the oil. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

**Wear**  
Light concentration of visible metal present. Bearing wear is indicated.

**Contamination**  
There is no indication of any contamination in the oil.

**Fluid Condition**  
The oil is no longer serviceable as a result of the abnormal and/or severe wear.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>PC0074848</b>	PC0070196	PC0069793
Sample Date	Client Info			<b>10 Aug 2023</b>	12 Apr 2023	15 Feb 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>ABNORMAL</b>	NORMAL	ATTENTION

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	0
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)	>20	<b>0</b>	0	<1
Lead	ppm	ASTM D5185(m)	>20	<b>4</b>	2	4
Copper	ppm	ASTM D5185(m)	>20	<b>▲ 32</b>	23	▲ 31
Tin	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Antimony	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
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

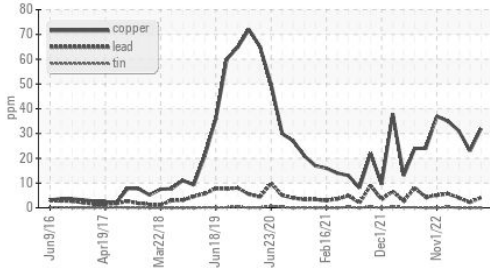
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	<1
Calcium	ppm	ASTM D5185(m)	0	<b>1</b>	0	0
Phosphorus	ppm	ASTM D5185(m)	4	<b>16</b>	16	18
Zinc	ppm	ASTM D5185(m)	0	<b>24</b>	21	30
Sulfur	ppm	ASTM D5185(m)		<b>127</b>	139	126
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>	0	0
Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	0

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>▲ LIGHT</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	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*	>2	<b>NEG</b>	NEG	NEG
Free Water	scalar	Visual*		<b>NEG</b>	NEG	NEG

# OIL ANALYSIS REPORT

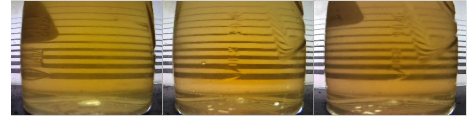
## ▲ Non-ferrous Metals



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	64.9	<b>64.4</b>	65.1	64.9
Visc @ 100°C	cSt	ASTM D7279(m)	8.62	<b>8.7</b>	8.7	8.7
Viscosity Index (VI)	Scale	ASTM D2270*	104	<b>107</b>	105	106

## SAMPLE IMAGES

Color



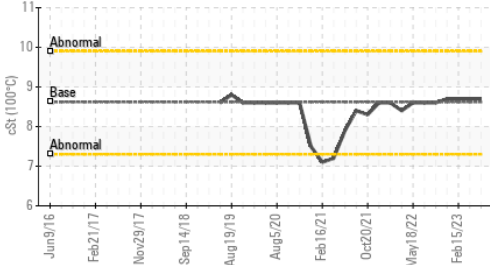
Bottom



PrtFilter

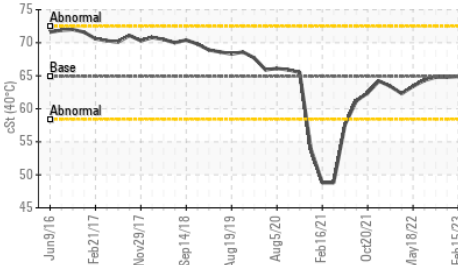


## Viscosity @ 100°C

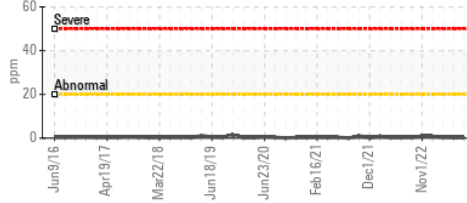


## GRAPHS

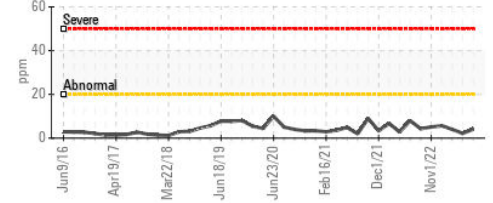
### Viscosity @ 40°C



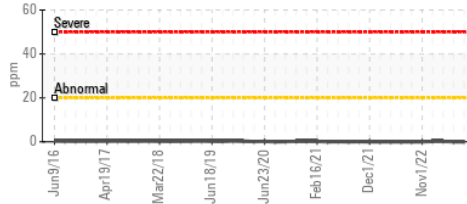
### Iron (ppm)



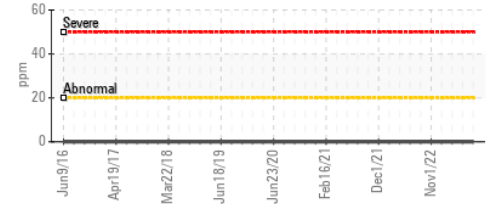
### Lead (ppm)



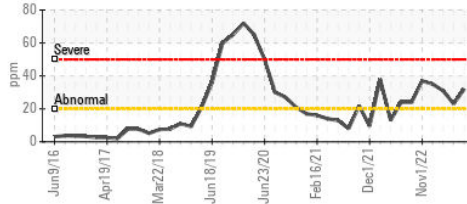
### Aluminum (ppm)



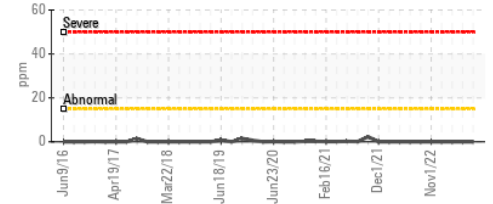
### Chromium (ppm)



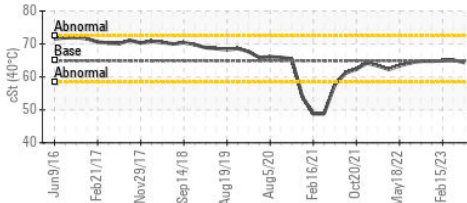
## ▲ Copper (ppm)



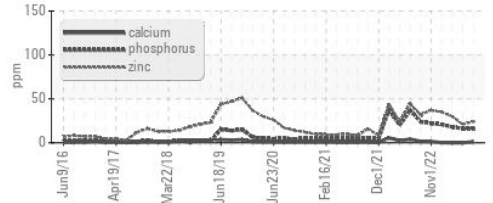
### Silicon (ppm)



### Viscosity @ 40°C



### Additives



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0074848 **Received** : 21 Aug 2023  
**Lab Number** : **02577207** **Diagnosed** : 22 Aug 2023  
**Unique Number** : 5630267 **Diagnostician** : Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: Bottom, BottomAnalysis, FilterPatch, KV100, VI )

**Dryden Fibre**  
 Box 3001, 1 Duke Street  
 Dryden, ON  
 CA P8N 2Z7  
 Contact: Yvon St. Laurent  
 yvon.stlaurent@domtar.com  
 T: (807)223-9838  
 F: (807)223-9176

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.