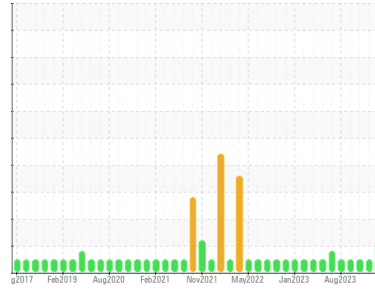


# OIL ANALYSIS REPORT

Area  
**TEAM 1**  
Machine Id  
**122156 ID Fan Outboard (S/N 122156 Outboard Brg)**  
Component  
**Bearing**  
Fluid  
**PETRO CANADA TURBOFLO R&O 150 (1 LTR)**

Sample Rating Trend



**WEAR**



## DIAGNOSIS

### Recommendation

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

Lead ppm levels are abnormal. A sharp increase in the lead level is noted. Bearing wear is indicated.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

Viscosity of sample indicates oil is within ISO 100 range, advise investigate. The AN level is acceptable for this fluid. 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>PC0080392</b>	PC0078789	PC0076989
Sample Date	Client Info	<b>27 Jun 2024</b>	12 Jun 2024	20 Jan 2024
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	NORMAL

## CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method	<b>NEG</b>	NEG	NEG

## WEAR METALS

method	limit/base	current	history1	history2
PQ	ASTM D8184*	<b>0</b>	---	0
Iron	ppm	<b>6</b>	6	7
Chromium	ppm	<b>0</b>	0	0
Nickel	ppm	<b>&lt;1</b>	0	0
Titanium	ppm	<b>0</b>	0	0
Silver	ppm	<b>0</b>	0	0
Aluminum	ppm	<b>&lt;1</b>	<1	<1
Lead	ppm	<b>34</b>	19	16
Copper	ppm	<b>2</b>	3	3
Tin	ppm	<b>&lt;1</b>	<1	1
Antimony	ppm	<b>0</b>	1	<1
Vanadium	ppm	<b>0</b>	0	0
Beryllium	ppm	<b>0</b>	0	0
Cadmium	ppm	<b>0</b>	0	0

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	<b>&lt;1</b>	<1	0
Barium	ppm	<b>&lt;1</b>	<1	<1
Molybdenum	ppm	<b>0</b>	0	0
Manganese	ppm	<b>&lt;1</b>	<1	0
Magnesium	ppm	<b>&lt;1</b>	1	1
Calcium	ppm	<b>4</b>	3	3
Phosphorus	ppm	<b>5</b>	4	3
Zinc	ppm	<b>9</b>	9	9
Sulfur	ppm	<b>3552</b>	3384	4451
Lithium	ppm	<b>&lt;1</b>	<1	<1

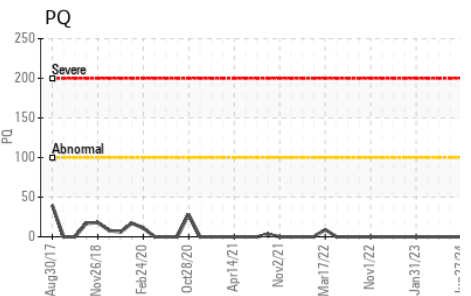
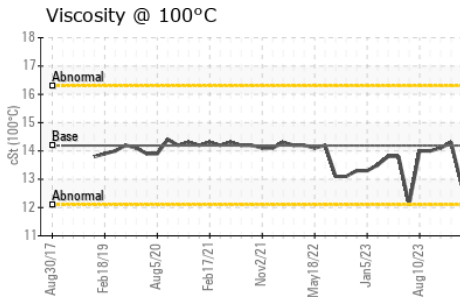
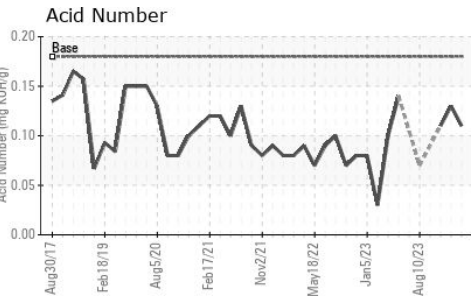
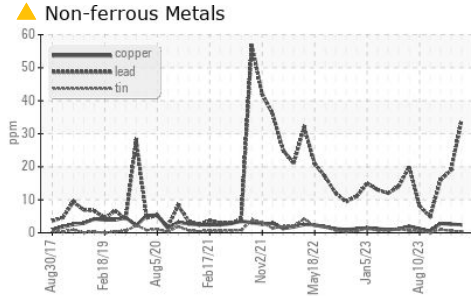
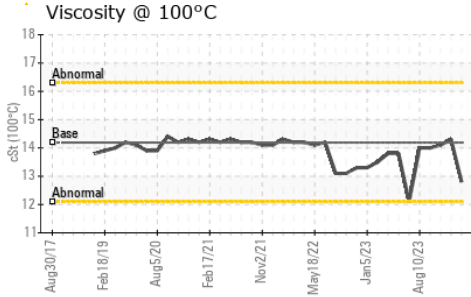
## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	<b>4</b>	2	4
Sodium	ppm	<b>4</b>	<1	0
Potassium	ppm	<b>2</b>	<1	1

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	<b>0.11</b>	0.13	0.11

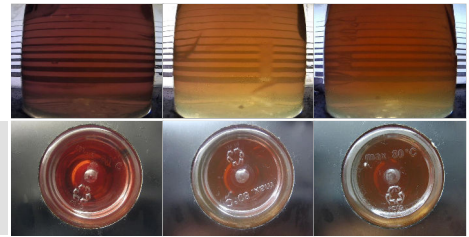
# OIL ANALYSIS REPORT



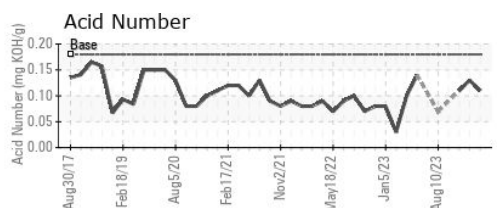
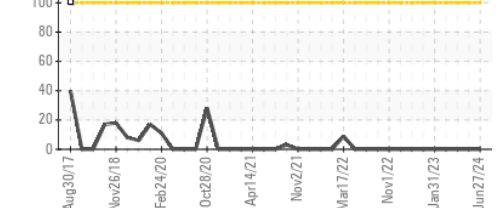
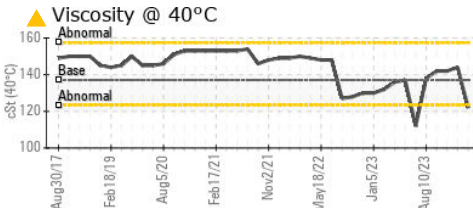
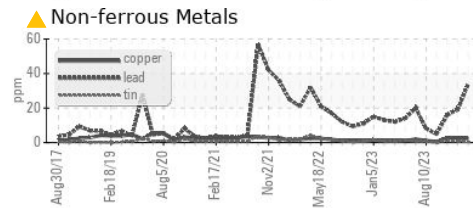
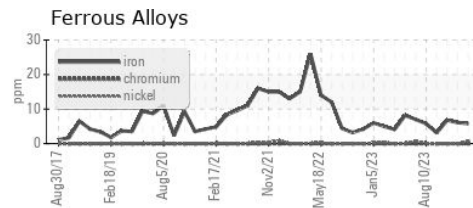
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	VLITE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	VLITE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	137.1	▲ 122	144
Visc @ 100°C	cSt	ASTM D7279(m)	14.19	12.8	14.3
Viscosity Index (VI)	Scale	ASTM D2270*	101	96	95

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					



## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0080392  
**Lab Number** : 02646270  
**Unique Number** : 5811822  
**Test Package** : IND 2 ( Additional Tests: KV100, TAN Man, VI )  
**Received** : 08 Jul 2024  
**Tested** : 09 Jul 2024  
**Diagnosed** : 09 Jul 2024 - Kevin Marson

**Dryden Fibre**  
 Box 3001, 1 Duke Street  
 Dryden, ON  
 CA P8N 2Z7  
 Contact: Adebukola Adekanye  
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 T: (807)223-9950  
 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.