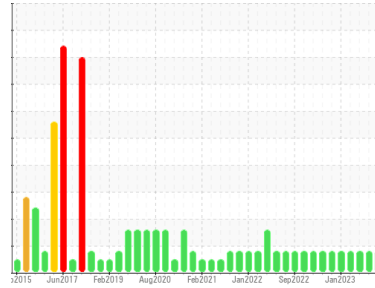


Area  
**TEAM 1**  
Machine Id  
**122108 ID Fan Outboard (S/N 122109 Outboard Brg)**  
Component  
**Bearing**  
Fluid  
**PETRO CANADA TURBOFLO R&O 150 (1 GAL)**



**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. Bearing wear is indicated.

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

**Fluid Condition**  
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>PC0078805</b>	PC0074822	PC0070442
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>	ATTENTION	ABNORMAL

**CONTAMINATION**

method	limit/base	current	history1	history2
Water	WC Method >2	<b>NEG</b>	NEG	NEG

**WEAR METALS**

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m) >20	<b>4</b>	3	3
Chromium	ppm ASTM D5185(m) >20	<b>0</b>	0	0
Nickel	ppm ASTM D5185(m) >20	<b>0</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>	<1	<1
Lead	ppm ASTM D5185(m) >20	<b>76</b>	61	97
Copper	ppm ASTM D5185(m) >20	<b>8</b>	7	11
Tin	ppm ASTM D5185(m) >20	<b>1</b>	<1	<1
Antimony	ppm ASTM D5185(m)	<b>2</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>&lt;1</b>	<1	<1
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>1</b>	<1	2
Calcium	ppm ASTM D5185(m) 0	<b>8</b>	5	10
Phosphorus	ppm ASTM D5185(m) 4	<b>8</b>	7	6
Zinc	ppm ASTM D5185(m) 0	<b>10</b>	6	8
Sulfur	ppm ASTM D5185(m)	<b>2096</b>	1346	2253
Lithium	ppm ASTM D5185(m)	<b>&lt;1</b>	<1	<1

**CONTAMINANTS**

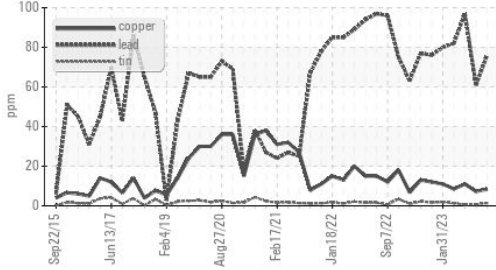
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >15	<b>2</b>	1	2
Sodium	ppm ASTM D5185(m)	<b>0</b>	<1	0
Potassium	ppm ASTM D5185(m) >20	<b>1</b>	<1	2

**FLUID DEGRADATION**

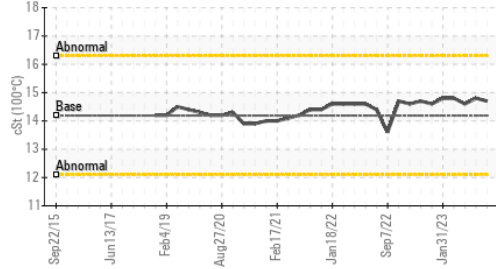
method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D974* 0.18	<b>0.16</b>	---	0.13

# OIL ANALYSIS REPORT

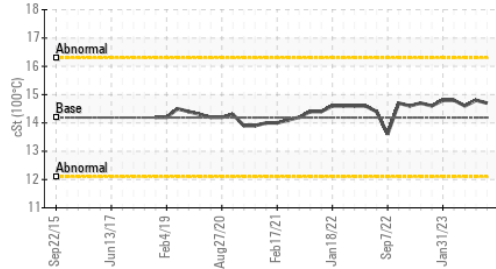
**▲ Non-ferrous Metals**



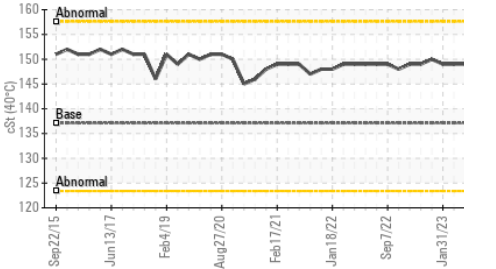
**Viscosity @ 100°C**



**Viscosity @ 100°C**



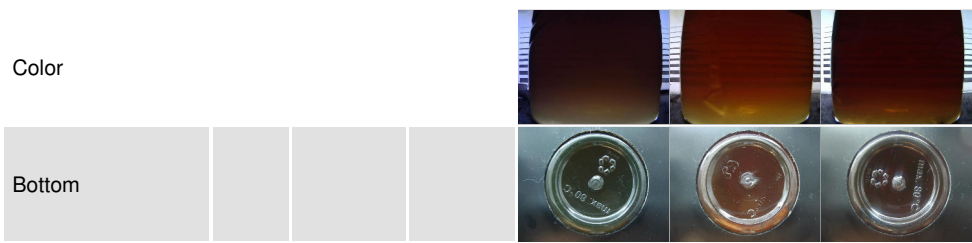
**Viscosity @ 40°C**



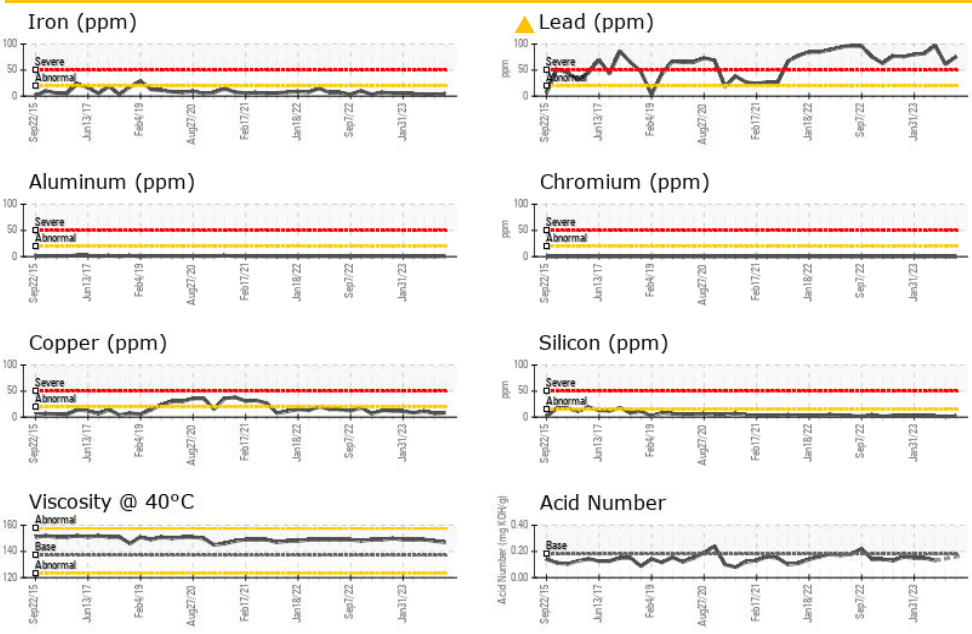
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	VLITE	VLITE
Debris	scalar	Visual*	NONE	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	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	148	149
Visc @ 100°C	cSt	ASTM D7279(m)	14.19	14.8	14.6
Viscosity Index (VI)	Scale	ASTM D2270*	101	99	96

**SAMPLE IMAGES**



**GRAPHS**



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0078805 **Received** : 31 Jan 2024  
**Lab Number** : 02612452 **Diagnosed** : 01 Feb 2024  
**Unique Number** : 5721547 **Diagnostician** : Bill Quesnel  
**Test Package** : MOB 2 ( Additional Tests: KV100, TAN Man, VI )

**Dryden Fibre**  
 Box 3001, 1 Duke Street  
 Dryden, ON  
 CA P8N 2Z7  
 Contact: Adebukola Adekanye  
 aadekanye@drydenfibre.ca  
 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.