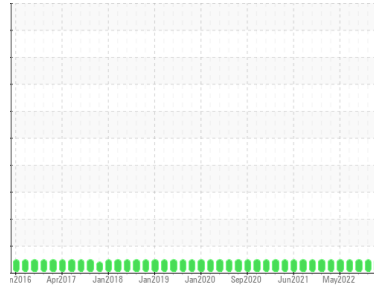


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**TEAM 1**  
Machine Id  
**122649 Motor Outboard**  
Component  
**Bearing**  
Fluid  
**PETRO CANADA TURBOFLO R&O 32 (4 LTR)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### 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>PC0069870</b>	PC0074808	PC0061831
Sample Date	Client Info	<b>06 Oct 2023</b>	10 Aug 2023	01 Nov 2022
Machine Age	hrs	Client Info	<b>0</b>	0
Oil Age	hrs	Client Info	<b>0</b>	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
PQ	ASTM D8184*	<b>0</b>	---	0
Iron	ppm	ASTM D5185(m) >20	<b>0</b>	0
Chromium	ppm	ASTM D5185(m) >20	<b>0</b>	0
Nickel	ppm	ASTM D5185(m) >20	<b>0</b>	<1
Titanium	ppm	ASTM D5185(m)	<b>0</b>	0
Silver	ppm	ASTM D5185(m)	<b>&lt;1</b>	0
Aluminum	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	<1
Lead	ppm	ASTM D5185(m) >20	<b>7</b>	6
Copper	ppm	ASTM D5185(m) >20	<b>1</b>	1
Tin	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	1
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)	<b>&lt;1</b>	0
Barium	ppm	ASTM D5185(m)	<b>0</b>	0
Molybdenum	ppm	ASTM D5185(m)	<b>0</b>	0
Manganese	ppm	ASTM D5185(m)	<b>0</b>	0
Magnesium	ppm	ASTM D5185(m)	<b>0</b>	<1
Calcium	ppm	ASTM D5185(m) 0	<b>1</b>	1
Phosphorus	ppm	ASTM D5185(m) 4	<b>5</b>	6
Zinc	ppm	ASTM D5185(m) 0	<b>3</b>	4
Sulfur	ppm	ASTM D5185(m)	<b>1084</b>	1161
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1

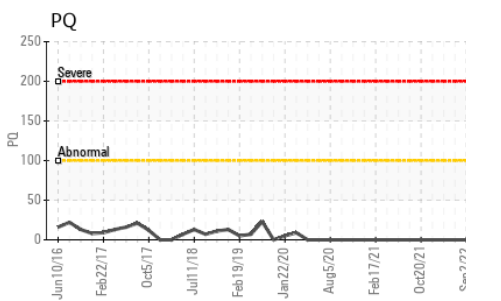
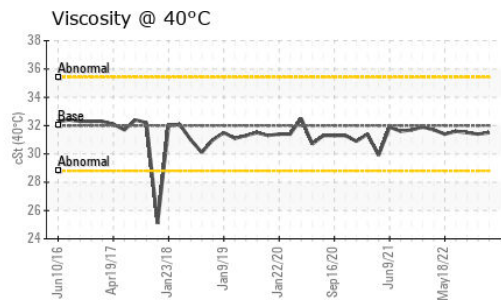
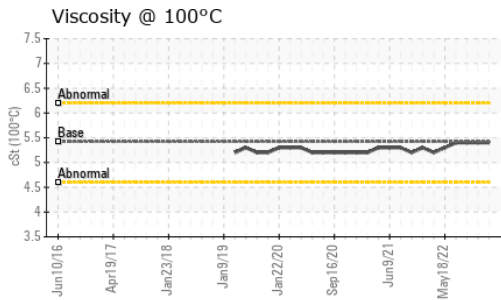
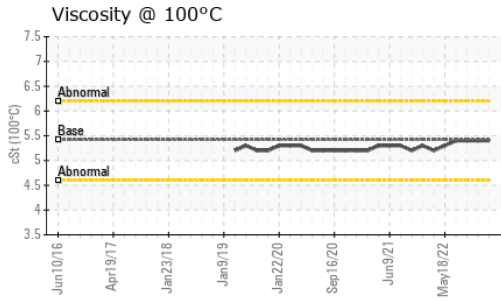
## CONTAMINANTS

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

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974* 0.15	<b>0.09</b>	---

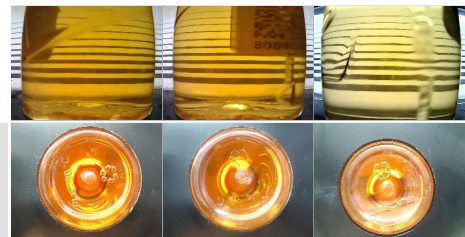
# OIL ANALYSIS REPORT



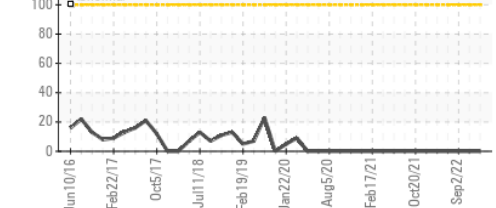
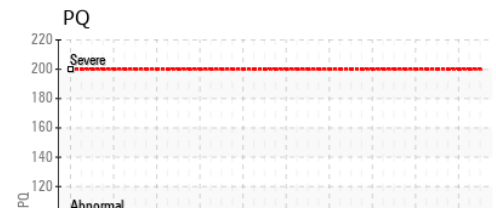
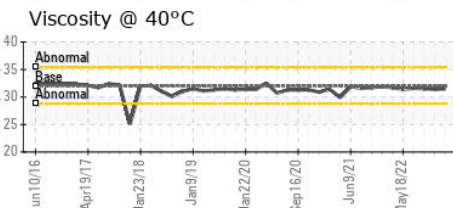
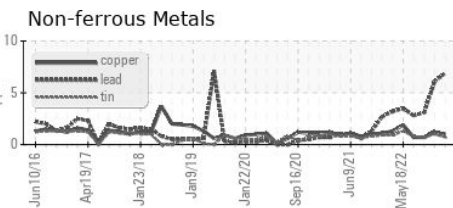
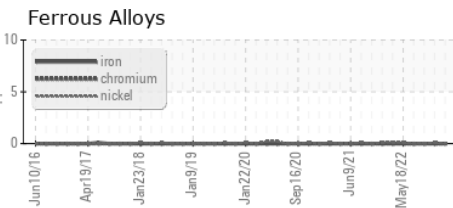
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	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)	32.0	31.5	31.4
Visc @ 100°C	cSt	ASTM D7279(m)	5.42	5.4	5.4
Viscosity Index (VI)	Scale	ASTM D2270*	103	105	105

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					



## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0069870 **Received** : 25 Oct 2023  
**Lab Number** : 02591762 **Diagnosed** : 26 Oct 2023  
**Unique Number** : 5668841 **Diagnostician** : Kevin Marson  
**Test Package** : IND 2 ( Additional Tests: KV100, TAN Man, VI )

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.

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