

PROBLEM SUMMARY

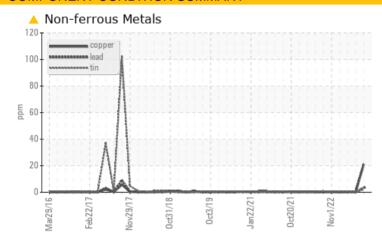
TEAM 1
Machine Id
122651 Pump Outboard

Bearing

PETRO CANADA TURBOFLO R&O 32 (2 LTR)

Sample Rating Trend WEAR **Property of the Control of Teacher Trends** **Property of Teacher Trends** **Property

COMPONENT CONDITION SUMMARY



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.

PROBLEMATION	C TEST	RESULT	S			
Sample Status				ABNORMAL	NORMAL	NORMAL
Copper	ppm	ASTM D5185(m)	>20	<u>^</u> 21	<1	<1

Customer Id: CANDRY Sample No.: PC0069844 Lab Number: 02577180 Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data: Kevin Marson +1 (289)291-4644 x4644 Kevin.Marson@wearcheck.com

To change component or sample information: Gloria Gonzalez +1 (289)291-4643 x4643 gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Fluid			?	We recommend that you drain the oil from the component if this has not already been done.
Resample			?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

12 Apr 2023 Diag: Kevin Marson

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



15 Feb 2023 Diag: Kevin Marson

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



05 Jan 2023 Diag: Kevin Marson

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



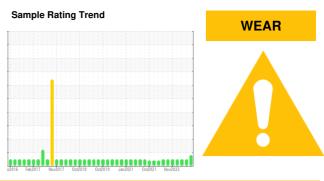


OIL ANALYSIS REPORT

TEAM 1 122651 Pump Outboard

Bearing

PETRO CANADA TURBOFLO R&O 32 (2 LTR)



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

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

Contamination

There is no indication of any contamination in the

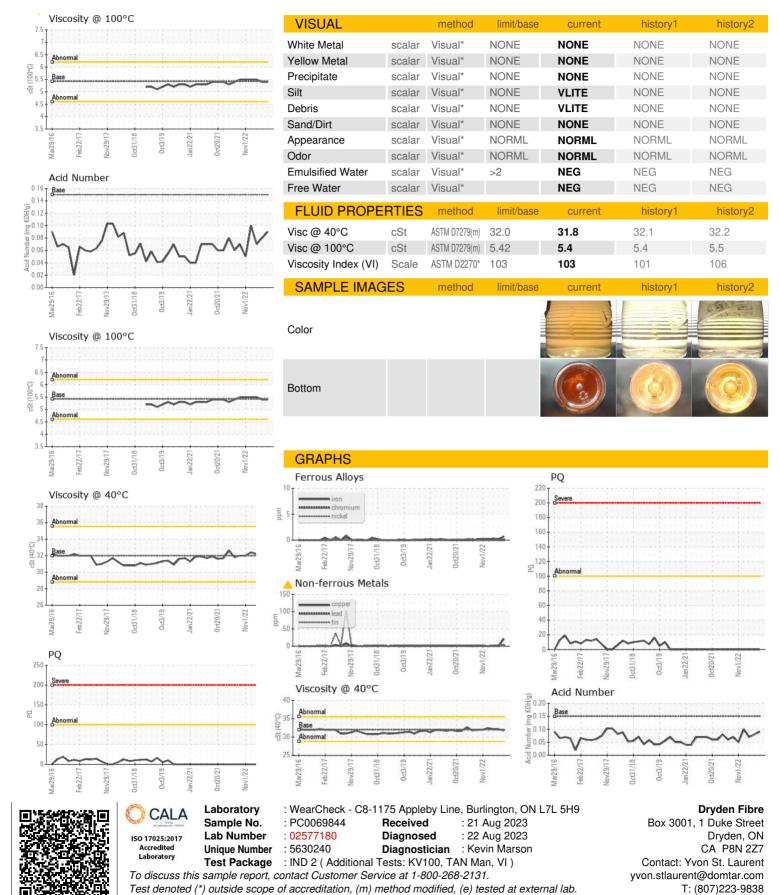
Fluid Condition

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 INFORT	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0069844	PC0070237	PC0070284
Sample Date		Client Info		10 Aug 2023	12 Apr 2023	15 Feb 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR METAL	S	method	limit/base	current	history1	history2
PQ		ASTM D8184*		0	0	0
Iron	ppm	ASTM D5185(m)	>20	<1	<1	<1
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>20	<1	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	0	0	<1
Lead	ppm	ASTM D5185(m)	>20	3	0	<1
Copper	ppm	ASTM D5185(m)	>20	<u>^</u> 21	<1	<1
Tin	ppm	ASTM D5185(m)	>20	2	<1	<1
Antimony	ppm	ASTM D5185(m)		<1	<1	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		0	<1	0
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		0	0	0
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)		<1	0	0
Calcium	ppm	ASTM D5185(m)	0	<1	0	0
Phosphorus	ppm	ASTM D5185(m)	4	4	4	4
Zinc	ppm	ASTM D5185(m)	0	3	5	6
Sulfur	ppm	ASTM D5185(m)		139	158	155
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	TS	method	limit/base	current	history1	history2
Ciliana	ppm	ASTM D5185(m)	>15	2	0	0
Silicon	PPIII	\ /				
Sodium	ppm	ASTM D5185(m)		2	0	0
	• • • • • • • • • • • • • • • • • • • •	. ,	>20	2 2	0	0
Sodium	ppm ppm	ASTM D5185(m) ASTM D5185(m)	>20 limit/base			



OIL ANALYSIS REPORT



Validity of results and interpretation are based on the sample and information as supplied.

F: (807)223-9176