

## **OIL ANALYSIS REPORT**

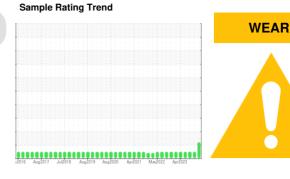
TEAM 1

# 122651 Motor Outboard

Bearing

Elniq Dear III (

PETRO CANADA TURBOFLO R&O 32 (4 LTR)



# DIAGNOSIS

#### Recommendation

We recommend that you drain the oil from the component if this has not already been done. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. The fluid was specified as PETRO CANADA TURBOFLO R&O 32, however, a fluid match indicates that this fluid is ISO 32 R&O Hydraulic Oil. Please confirm the oil type and grade on your next sample.

#### 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 oil.

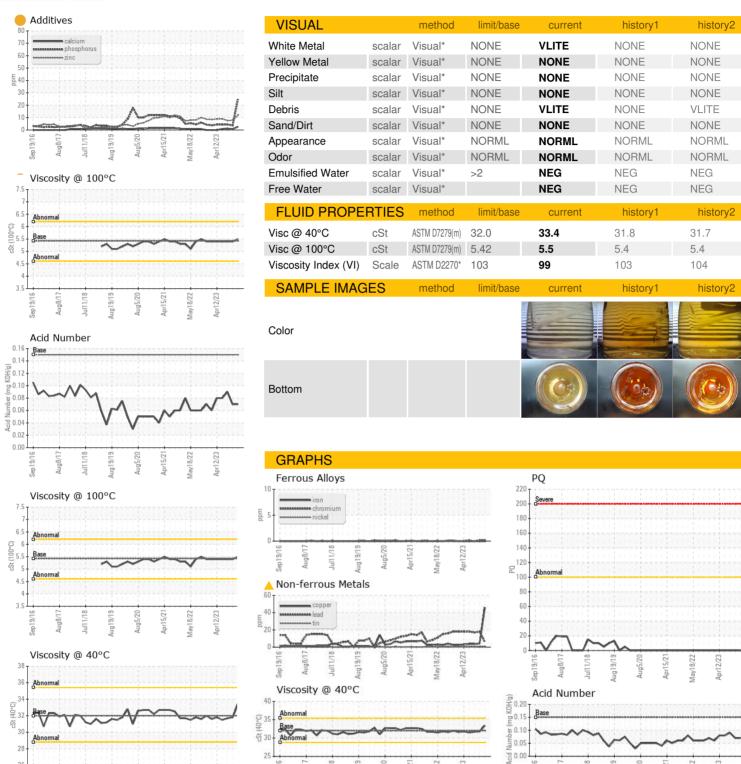
#### Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. 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 INFORI	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0080432	PC0076935	PC0069900
Sample Date		Client Info		03 Jul 2024	22 Jan 2024	06 Oct 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
CONTAMINAT	ION	method	limit/base	current	history1	history2
Water		WC Method	>2	NEG	NEG	NEG
WEAR METAL	S	method	limit/base	current	history1	history2
PQ		ASTM D8184*		0	0	0
Iron	ppm	ASTM D5185(m)	>20	0	0	0
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>20	<1	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	<1	<1	0
Lead	ppm	ASTM D5185(m)	>20	6	18	17
Copper	ppm	ASTM D5185(m)	>20	<b>46</b>	4	4
Tin	ppm	ASTM D5185(m)	>20	<1	1	<1
Antimony	ppm	ASTM D5185(m)		0	0	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)		<1	0	<1
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)		0	0	0
Calcium	ppm	ASTM D5185(m)	0	3	<1	1
Phosphorus	ppm	ASTM D5185(m)	4	<b>25</b>	4	4
Zinc	ppm	ASTM D5185(m)	0	12	8	8
Sulfur	ppm	ASTM D5185(m)		190	154	160
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINAN	TS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	0	0	0
Sodium	ppm	ASTM D5185(m)		<1	<1	<1
Potassium	ppm	ASTM D5185(m)	>20	0	<1	0
FLUID DEGRAD	OATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.15	0.07	0.07	0.09



### OIL ANALYSIS REPORT







Laboratory

Apr12/23

Sample No. Lab Number Unique Number : 5812571

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 : PC0080432 Received : 10 Jul 2024

**Tested** : 10 Jul 2024 : 02647019 Diagnosed : 11 Jul 2024 - 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.

**Dryden Fibre** 

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