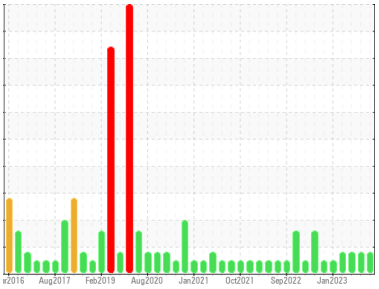
PROBLEM SUMMARY

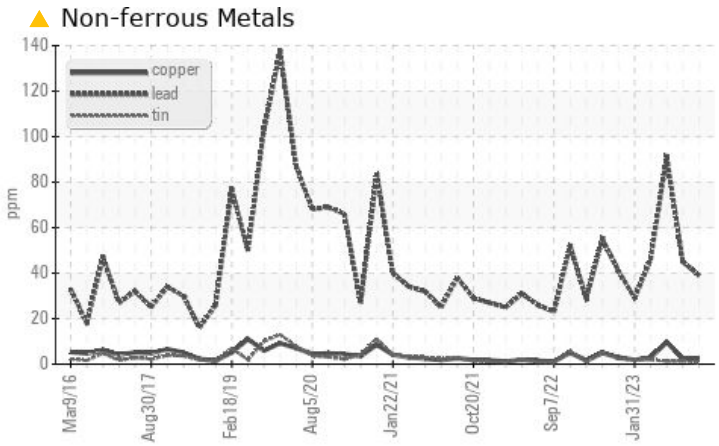
Area
TEAM 1
Machine Id
122108 ID Fan Inboard (S/N 122108 Inboard Brg)
Component
Bearing
Fluid
PETRO CANADA TURBOFLO R&O 150 (1 GAL)

Sample Rating Trend



WEAR

COMPONENT CONDITION SUMMARY



RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	ABNORMAL	ABNORMAL
Lead	ppm	ASTM D5185(m)	>20	▲ 39	▲ 91	▲ 45

Customer Id: CANDRY
Sample No.: PC0070438
Lab Number: 02575375
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

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

08 Jun 2023 Diag: Kevin Marson

WEAR

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.Lead ppm levels are abnormal. Bearing wear is indicated. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

view report

08 Jun 2023 Diag: Kevin Marson

WEAR

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.Lead ppm levels are abnormal. Bearing wear is indicated. There is no indication of any contamination in the 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.

view report

05 Apr 2023 Diag: Kevin Marson

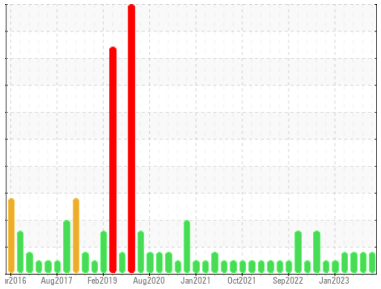
WEAR

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.Lead ppm levels are abnormal. Bearing wear is indicated. There is no indication of any contamination in the 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.

view report

OIL ANALYSIS REPORT

Sample Rating Trend



WEAR

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

DIAGNOSIS

Recommendation
Resample at the next service interval to monitor.

Wear
Lead ppm levels are noted. All other 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		**PC0070438**	PC0074859	PC0070186
Sample Date		Client Info		**10 Aug 2023**	08 Jun 2023	08 Jun 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				**ATTENTION**	ABNORMAL	ABNORMAL

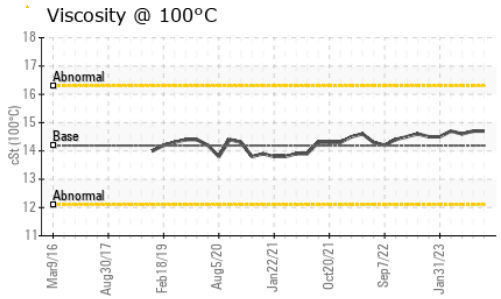
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		**0**	---	0
Iron	ppm	ASTM D5185(m)	>20	**5**	3	8
Chromium	ppm	ASTM D5185(m)	>20	**0**	0	0
Nickel	ppm	ASTM D5185(m)	>20	**<1**	<1	<1
Titanium	ppm	ASTM D5185(m)		**0**	0	0
Silver	ppm	ASTM D5185(m)		**0**	0	0
Aluminum	ppm	ASTM D5185(m)	>20	**<1**	<1	<1
Lead	ppm	ASTM D5185(m)	>20	▲ **39**	▲ 91	▲ 45
Copper	ppm	ASTM D5185(m)	>20	**2**	10	2
Tin	ppm	ASTM D5185(m)	>20	**<1**	1	1
Antimony	ppm	ASTM D5185(m)		**0**	1	2
Vanadium	ppm	ASTM D5185(m)		**0**	0	0
Beryllium	ppm	ASTM D5185(m)		**0**	0	0
Cadmium	ppm	ASTM D5185(m)		**0**	0	0

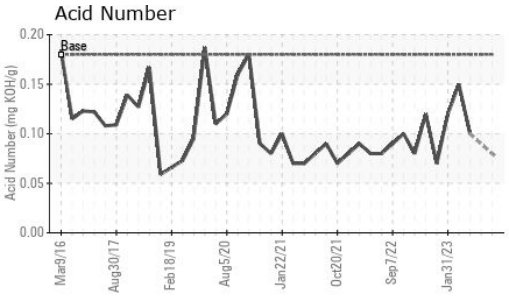
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		**2**	<1	<1
Barium	ppm	ASTM D5185(m)		**0**	0	0
Molybdenum	ppm	ASTM D5185(m)		**0**	0	0
Manganese	ppm	ASTM D5185(m)		**<1**	<1	<1
Magnesium	ppm	ASTM D5185(m)		**2**	2	1
Calcium	ppm	ASTM D5185(m)	0	**6**	6	6
Phosphorus	ppm	ASTM D5185(m)	4	**8**	6	7
Zinc	ppm	ASTM D5185(m)	0	**11**	7	10
Sulfur	ppm	ASTM D5185(m)		**2263**	2074	2116
Lithium	ppm	ASTM D5185(m)		**<1**	<1	<1

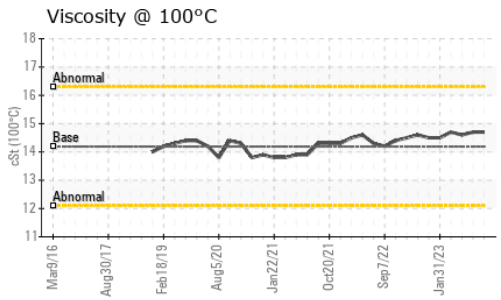
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>15	**<1**	2	2
Sodium	ppm	ASTM D5185(m)		**3**	<1	3
Potassium	ppm	ASTM D5185(m)	>20	**<1**	1	1

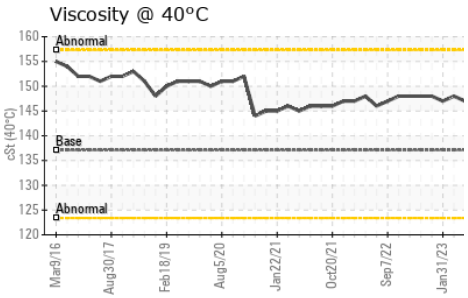
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	0.18	**0.08**	---	0.10

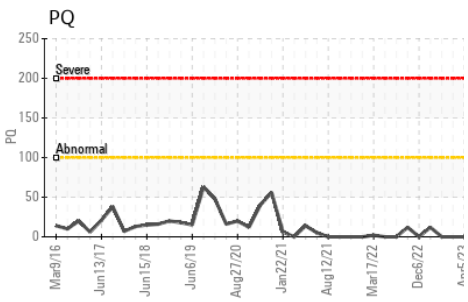
OIL ANALYSIS REPORT







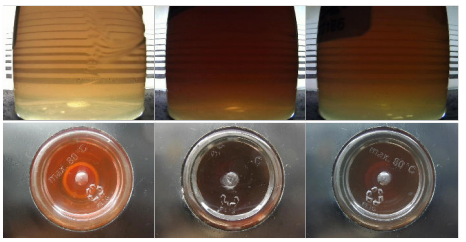




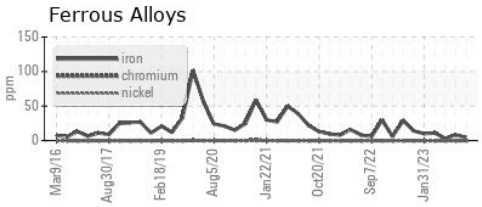
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	**NONE**	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	**NONE**	NONE	NONE
Precipitate	scalar	Visual*	NONE	**NONE**	NONE	NONE
Silt	scalar	Visual*	NONE	**NONE**	NONE	NONE
Debris	scalar	Visual*	NONE	**VLITE**	NONE	NONE
Sand/Dirt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

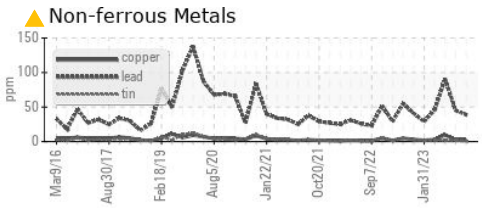
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	137.1	**146**	149	147
Visc @ 100°C	cSt	ASTM D7279(m)	14.19	**14.7**	14.7	14.6
Viscosity Index (VI)	Scale	ASTM D2270*	101	**99**	97	97

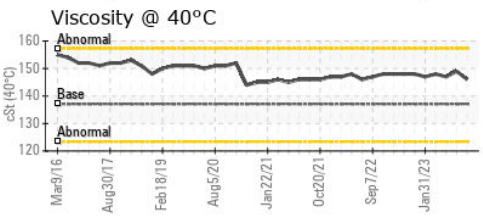
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

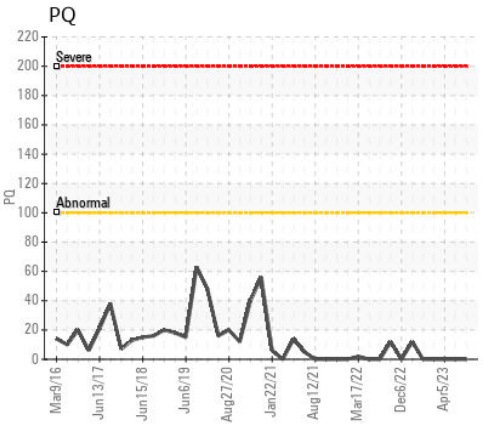


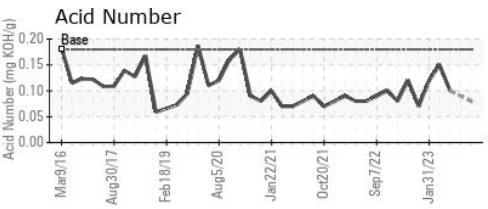
GRAPHS











CALA Testing Accreditation No. 1005078
ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0070438 **Received** : 11 Aug 2023
Lab Number : 02575375 **Diagnosed** : 14 Aug 2023
Unique Number : 5620426 **Diagnostician** : Kevin Marson
Test Package : IND 2 (Additional Tests: KV100, 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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