

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)

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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0078790	PC0078805	PC0074822
Sample Date		Client Info		28 May 2024	22 Jan 2024	05 Oct 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ATTENTION

WEAR

Lead ppm levels are abnormal. Bearing wear is indicated.

Iron	ppm	ASTM D5185(m)	>20	8	4	3
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>20	0	0	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	<1
Lead	ppm	ASTM D5185(m)	>20	▲ 85	▲ 76	● 61
Copper	ppm	ASTM D5185(m)	>20	10	8	7
Tin	ppm	ASTM D5185(m)	>20	1	1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

There is no indication of any contamination in the oil.

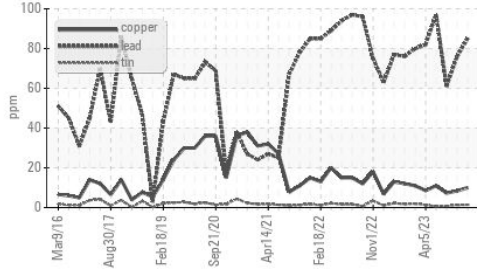
Silicon	ppm	ASTM D5185(m)	>15	3	2	1
Potassium	ppm	ASTM D5185(m)	>20	2	1	<1
Water		WC Method	>2	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	VLITE	VLITE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	LIGHT	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>2	NEG	NEG	NEG

FLUID CONDITION

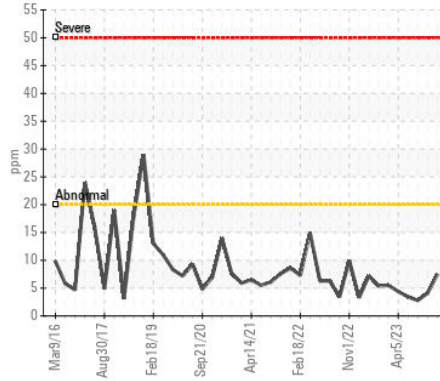
The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Sodium	ppm	ASTM D5185(m)		1	0	<1
Boron	ppm	ASTM D5185(m)		<1	<1	<1
Barium	ppm	ASTM D5185(m)		<1	0	<1
Molybdenum	ppm	ASTM D5185(m)		0	0	0
Manganese	ppm	ASTM D5185(m)		<1	0	0
Magnesium	ppm	ASTM D5185(m)		2	1	<1
Calcium	ppm	ASTM D5185(m)	0	10	8	5
Phosphorus	ppm	ASTM D5185(m)	4	9	8	7
Zinc	ppm	ASTM D5185(m)	0	8	10	6
Sulfur	ppm	ASTM D5185(m)		1939	2096	1346
Acid Number (AN)	mg KOH/g	ASTM D974*	0.18	0.14	0.16	---
Visc @ 40°C	cSt	ASTM D7279(m)	137.1	148	147	148
Visc @ 100°C	cSt	ASTM D7279(m)	14.19	14.8	14.7	14.8
Viscosity Index (VI)	Scale	ASTM D2270*	101	99	98	99

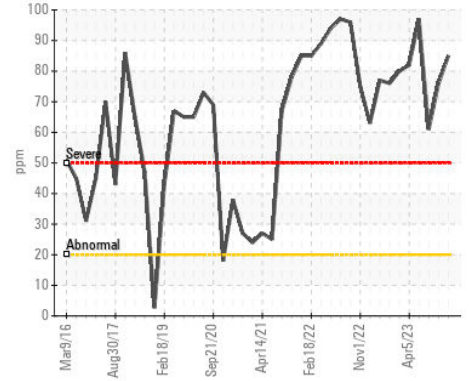
▲ Non-ferrous Metals



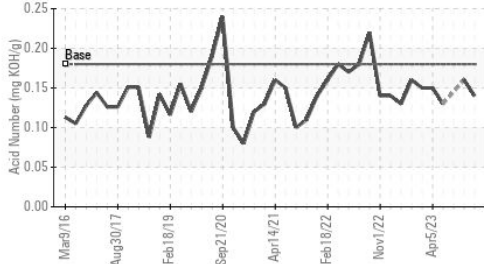
Iron (ppm)



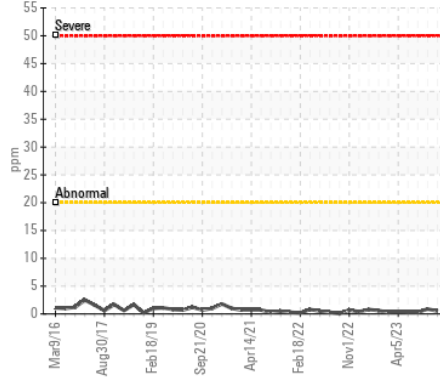
▲ Lead (ppm)



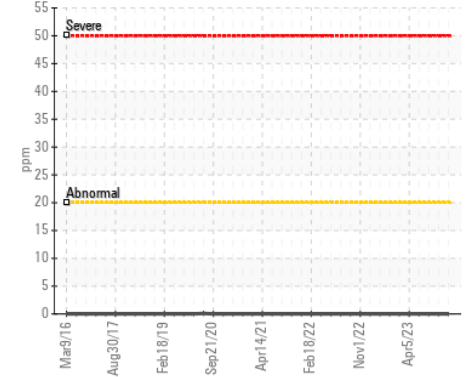
Acid Number



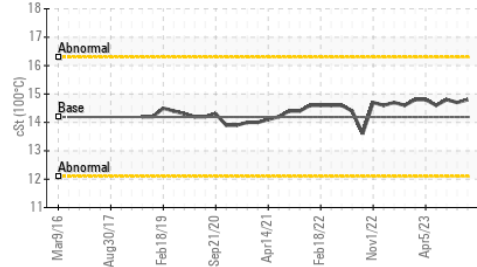
Aluminum (ppm)



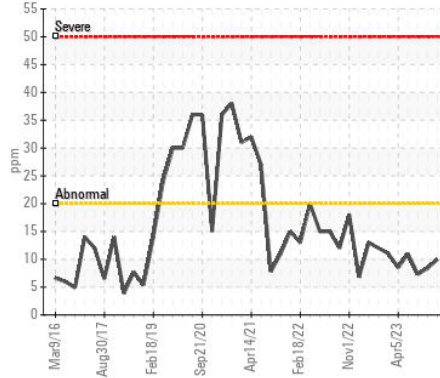
Chromium (ppm)



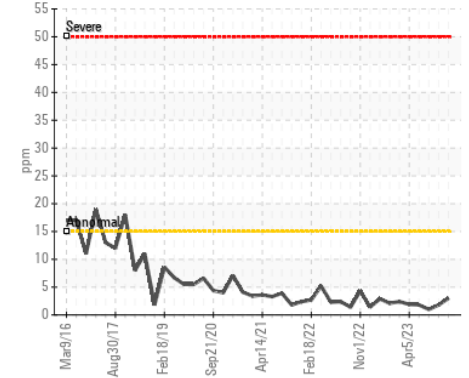
Viscosity @ 100°C



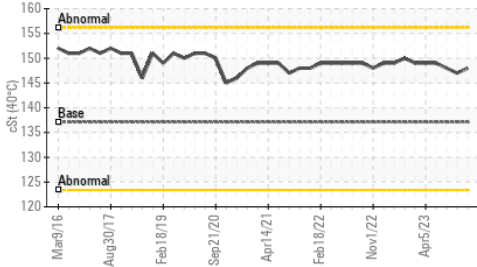
Copper (ppm)



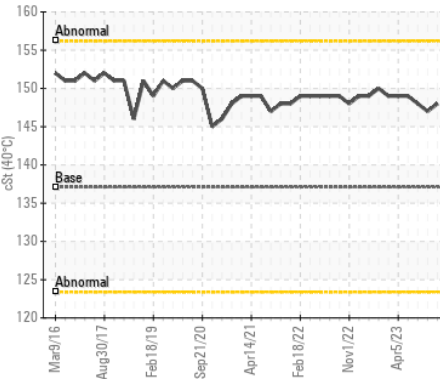
Silicon (ppm)



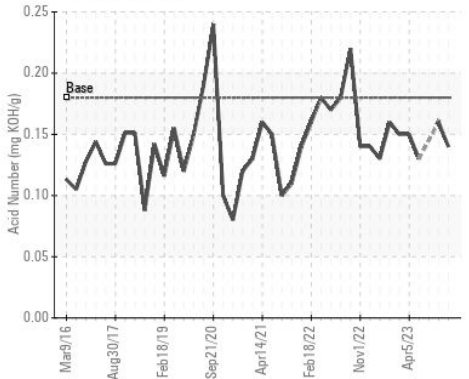
Viscosity @ 40°C



Viscosity @ 40°C



Acid Number



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0078790 **Received** : 13 Jun 2024
Lab Number : 02641755 **Tested** : 13 Jun 2024
Unique Number : 5799294 **Diagnosed** : 13 Jun 2024 - Kevin Marson
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.