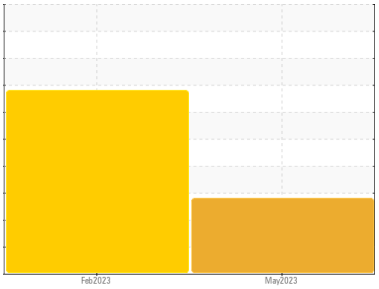
OIL DIAGNOSTICS

PROBLEM SUMMARY

Sample Rating Trend

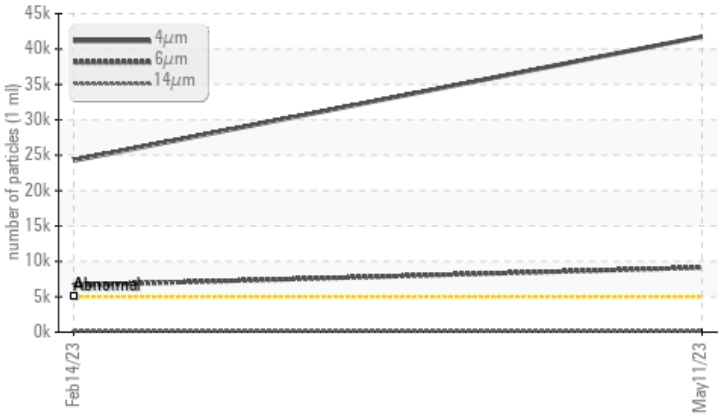


DIRT

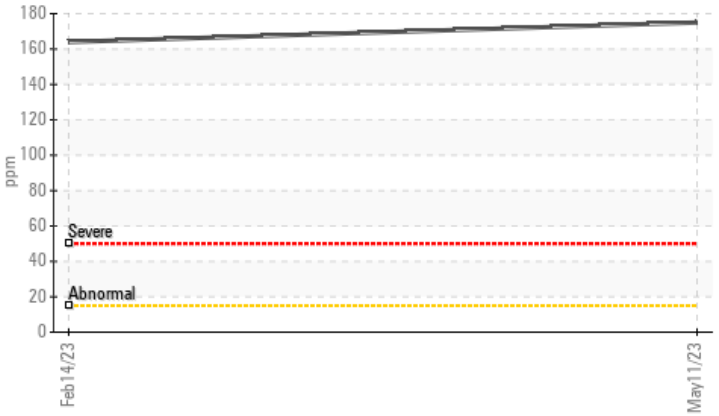
Area
Sawmill/Edger
Machine Id
[Sawmill^Edger] SawGuide Unit Edger
Component
Hydraulic System
Fluid
PETRO CANADA PETROGLIDE 100 (100 GAL)

COMPONENT CONDITION SUMMARY

Particle Trend



Silicon (ppm)



RECOMMENDATION

We recommend you service the filters on this component if applicable. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	SEVERE	---
Silicon	ppm	ASTM D5185m	>15	▲ **175**	⬢ 164	---
Particles >4µm		ASTM D7647	>5000	▲ **41747**	▲ 24252	---
Particles >6µm		ASTM D7647	>1300	▲ **9123**	▲ 6633	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ **23/20/14**	▲ 22/20/15	---

Customer Id: WESRIE
Sample No.: PCA0079397
Lab Number: 05849657
Test Package: IND 2

To manage this report scan the QR code

To discuss the diagnosis or test data:
Don Baldridge +1
don.b505@comcast.net

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter	MISSED	Nov 19 2023	?	We recommend you service the filters on this component if applicable.
Resample	MISSED	Nov 19 2023	?	We recommend an early resample to monitor this condition.
Check Dirt Access	MISSED	Nov 19 2023	?	We advise that you check all areas where dirt can enter the system.

HISTORICAL DIAGNOSIS

14 Feb 2023 Diag: Don Baldridge

DIRT

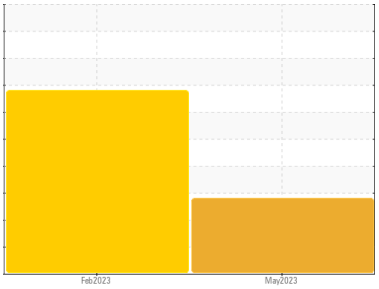
We advise that you check all areas where dirt can enter the system. We recommend you service the filters on this component if applicable. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a high amount of particulates present in the oil. Elemental level of silicon (Si) above normal. The AN level is acceptable for this fluid.

view report

OIL DIAGNOSTICS

OIL ANALYSIS REPORT

Sample Rating Trend



DIRT

Area
Sawmill/Edger
Machine Id
[Sawmill^Edger] SawGuide Unit Edger
Component
Hydraulic System
Fluid
PETRO CANADA PETROGLIDE 100 (100 GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. We recommend an early resample to monitor this condition.

Wear

All component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil. Elemental level of silicon (Si) above normal.

Fluid Condition

The AN level is acceptable for this fluid.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**PCA0079397**	PCA0079393	---
Sample Date		Client Info		**11 May 2023**	14 Feb 2023	---
Machine Age	hrs	Client Info		**0**	0	---
Oil Age	hrs	Client Info		**0**	0	---
Oil Changed		Client Info		**Not Changd**	Filtered	---
Sample Status				**ABNORMAL**	SEVERE	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>20	**0**	<1	---
Chromium	ppm	ASTM D5185m	>20	**0**	0	---
Nickel	ppm	ASTM D5185m	>20	**0**	<1	---
Titanium	ppm	ASTM D5185m		**0**	0	---
Silver	ppm	ASTM D5185m		**0**	0	---
Aluminum	ppm	ASTM D5185m	>20	**1**	0	---
Lead	ppm	ASTM D5185m	>20	**0**	0	---
Copper	ppm	ASTM D5185m	>20	**0**	0	---
Tin	ppm	ASTM D5185m	>20	**0**	0	---
Vanadium	ppm	ASTM D5185m		**0**	0	---
Cadmium	ppm	ASTM D5185m		**0**	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**0**	0	---
Barium	ppm	ASTM D5185m		**0**	0	---
Molybdenum	ppm	ASTM D5185m		**0**	<1	---
Manganese	ppm	ASTM D5185m		**0**	0	---
Magnesium	ppm	ASTM D5185m		**1**	<1	---
Calcium	ppm	ASTM D5185m		**149**	125	---
Phosphorus	ppm	ASTM D5185m		**30**	11	---
Zinc	ppm	ASTM D5185m		**16**	0	---
Sulfur	ppm	ASTM D5185m	2500	**2461**	2594	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	▲ **175**	⬢ 164	---
Sodium	ppm	ASTM D5185m		**0**	<1	---
Potassium	ppm	ASTM D5185m	>20	**0**	1	---
Water	%	ASTM D6304	>0.05	**0.013**	0.008	---
ppm Water	ppm	ASTM D6304	>500	**134.9**	83.0	---

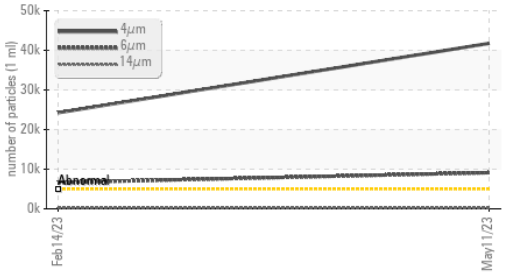
FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	▲ **41747**	▲ 24252	---
Particles >6µm		ASTM D7647	>1300	▲ **9123**	▲ 6633	---
Particles >14µm		ASTM D7647	>160	**149**	▲ 217	---
Particles >21µm		ASTM D7647	>40	**15**	▲ 50	---
Particles >38µm		ASTM D7647	>10	**0**	5	---
Particles >71µm		ASTM D7647	>3	**0**	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ **23/20/14**	▲ 22/20/15	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	.2	**0.44**	0.127	---

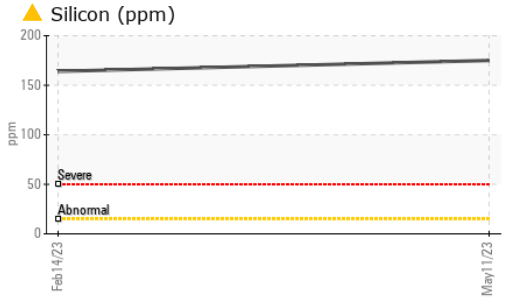
OIL DIAGNOSTICS

OIL ANALYSIS REPORT

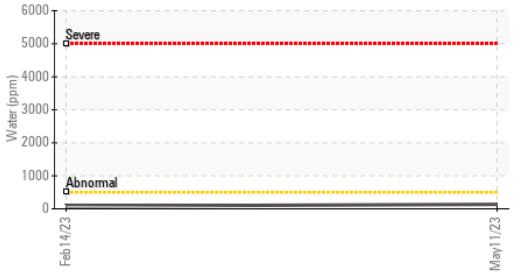
Particle Trend



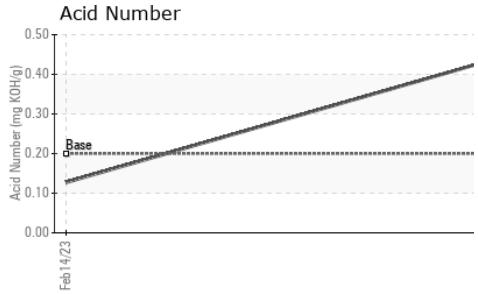
Silicon (ppm)



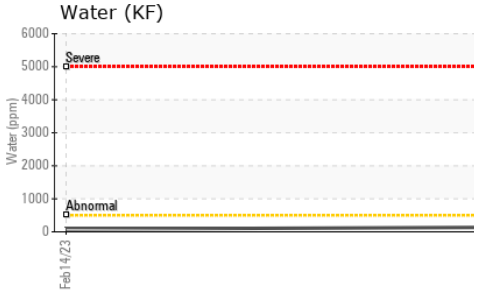
Water (KF)



Acid Number

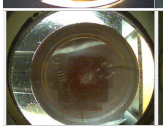
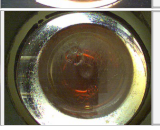


Water (KF)



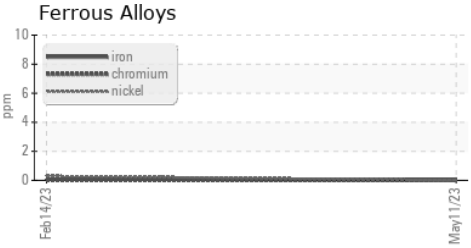
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	---
Silt	scalar	*Visual	NONE	**NONE**	NONE	---
Debris	scalar	*Visual	NONE	**NONE**	NONE	---
Sand/Dirt	scalar	*Visual	NONE	**NONE**	NONE	---
Appearance	scalar	*Visual	NORML	**NORML**	NORML	---
Odor	scalar	*Visual	NORML	**NORML**	NORML	---
Emulsified Water	scalar	*Visual	>0.05	**NEG**	NEG	---
Free Water	scalar	*Visual		**NEG**	NEG	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	108.1	**96.1**	95.8	---

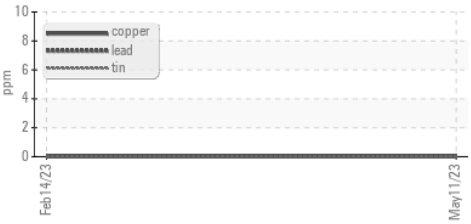
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					*no image*
Bottom					*no image*

GRAPHS

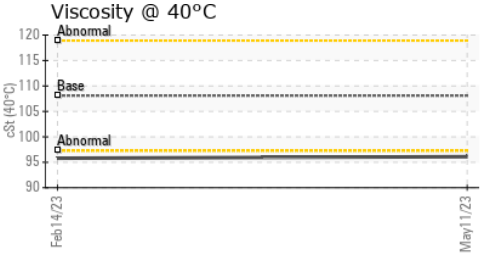
Ferrous Alloys



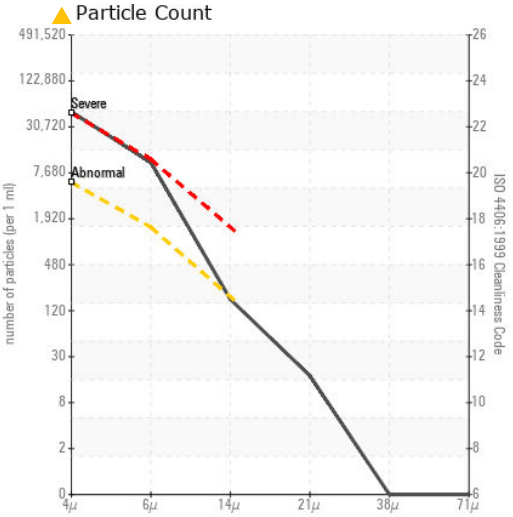
Non-ferrous Metals



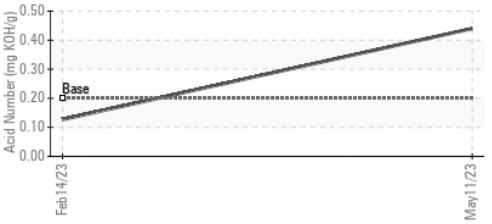
Viscosity @ 40°C



Particle Count



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0079397
Lab Number : 05849657
Unique Number : 10473764
Test Package : IND 2 (Additional Tests: KF)

Received : 17 May 2023
Diagnosed : 19 May 2023
Diagnostician : Don Baldridge

To discuss this sample report, contact Customer Service at 1-800-237-1369.
** - Denotes test methods that are outside of the ISO 17025 scope of accreditation.*
Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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Contact: Juan Navarro
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