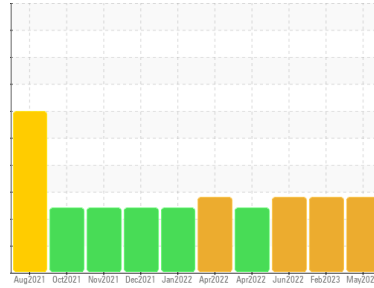




PROBLEM SUMMARY

Sample Rating Trend



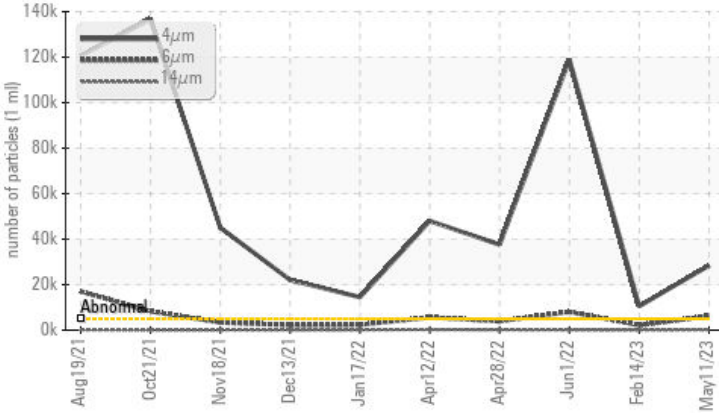
DIRT



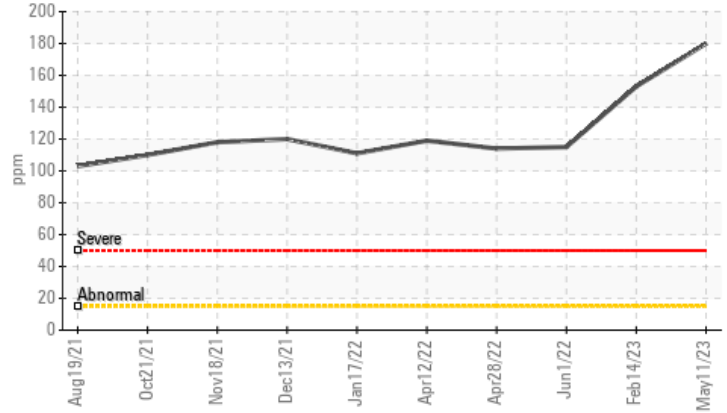
Area
Sawmill/Gang
 Machine Id
[Sawmill^Gang] SawGuide Unit Gang
 Component
Hydraulic System
 Fluid
PETRO CANADA PETROGLIDE 100 (200 GAL)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



▲ Silicon (ppm)



RECOMMENDATION

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	ABNORMAL	ABNORMAL
Silicon	ppm	ASTM D5185m >15	▲ 180	▲ 153	▲ 115
Particles >4µm		ASTM D7647 >5000	▲ 28428	▲ 10522	▲ 119032
Particles >6µm		ASTM D7647 >1300	▲ 6230	▲ 2161	▲ 8017
Oil Cleanliness		ISO 4406 (c) >19/17/14	▲ 22/20/14	▲ 21/18/13	▲ 24/20/14

Customer Id: WESRIE
 Sample No.: PCA0079396
 Lab Number: 05849658
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +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	---	---	?	We recommend you service the filters on this component if applicable.

HISTORICAL DIAGNOSIS

14 Feb 2023 Diag: Don Baldrige

DIRT



No corrective action is recommended at this time. The oil was filtered at the time of sampling. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. Elemental level of silicon (Si) above normal indicating ingress of seal material. The AN level is acceptable for this fluid.

view report



01 Jun 2022 Diag: Don Baldrige

DIRT



We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. 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



28 Apr 2022 Diag: Don Baldrige

DIRT



We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. 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.

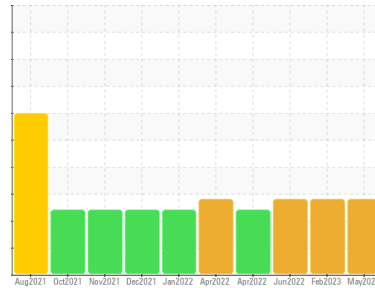
view report





OIL ANALYSIS REPORT

Sample Rating Trend



DIRT



Area
Sawmill/Gang
 Machine Id
[Sawmill^Gang] SawGuide Unit Gang
 Component
Hydraulic System
 Fluid
PETRO CANADA PETROGLIDE 100 (200 GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

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	PCA0079396	PCA0079447	PCA0068770
Sample Date	Client Info	11 May 2023	14 Feb 2023	01 Jun 2022
Machine Age	mths	Client Info	0	0
Oil Age	mths	Client Info	0	0
Oil Changed	Client Info	Not Changed	Filtered	N/A
Sample Status		ABNORMAL	ABNORMAL	ABNORMAL

WEAR METALS

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

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	0	0
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	<1
Manganese	ppm	ASTM D5185m	0	0	0
Magnesium	ppm	ASTM D5185m	2	2	7
Calcium	ppm	ASTM D5185m	131	121	125
Phosphorus	ppm	ASTM D5185m	18	20	30
Zinc	ppm	ASTM D5185m	4	5	31
Sulfur	ppm	ASTM D5185m 2500	2346	2925	1804

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >15	▲ 180	▲ 153	▲ 115
Sodium	ppm	ASTM D5185m	0	0	0
Potassium	ppm	ASTM D5185m >20	2	4	0
Water	%	ASTM D6304 >0.05	0.013	0.007	0.003
ppm Water	ppm	ASTM D6304 >500	132.2	72.7	36.6

FLUID CLEANLINESS

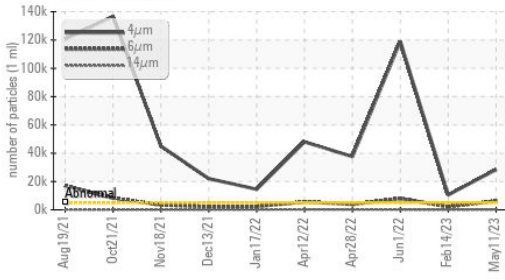
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >5000	▲ 28428	▲ 10522	▲ 119032
Particles >6µm	ASTM D7647 >1300	▲ 6230	▲ 2161	▲ 8017
Particles >14µm	ASTM D7647 >160	153	51	86
Particles >21µm	ASTM D7647 >40	14	6	16
Particles >38µm	ASTM D7647 >10	0	1	0
Particles >71µm	ASTM D7647 >3	0	1	0
Oil Cleanliness	ISO 4406 (c) >19/17/14	▲ 22/20/14	▲ 21/18/13	▲ 24/20/14

FLUID DEGRADATION

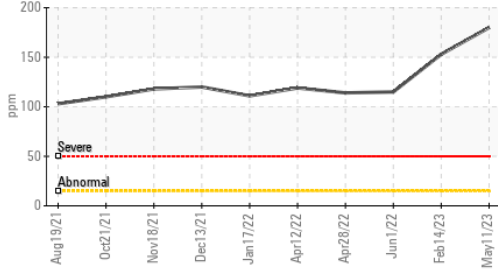
method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045 .2	0.116	0.47	0.112

OIL ANALYSIS REPORT

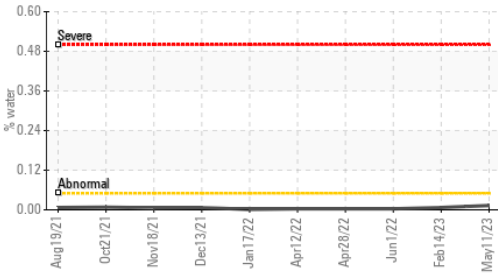
▲ Particle Trend



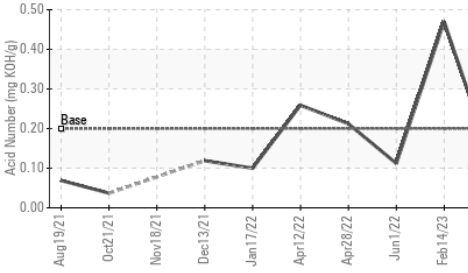
▲ Silicon (ppm)



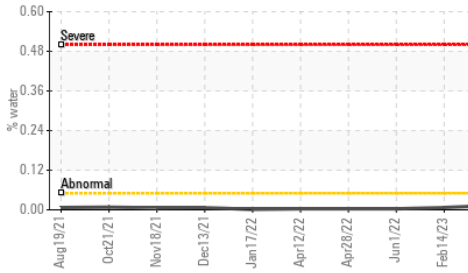
Water



Acid Number



Water

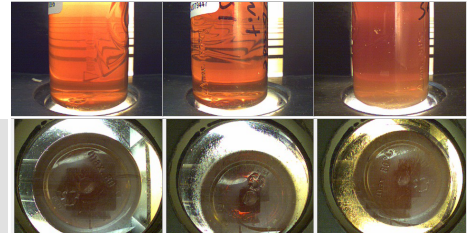


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	103	104

SAMPLE IMAGES	method	limit/base	current	history1	history2
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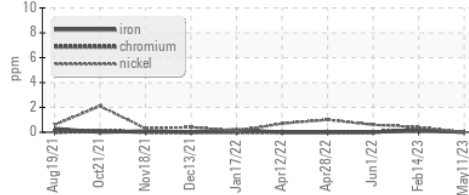
Color



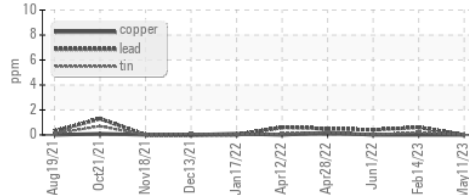
Bottom

GRAPHS

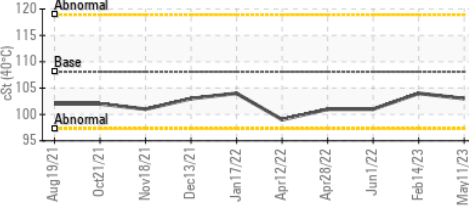
Ferrous Alloys



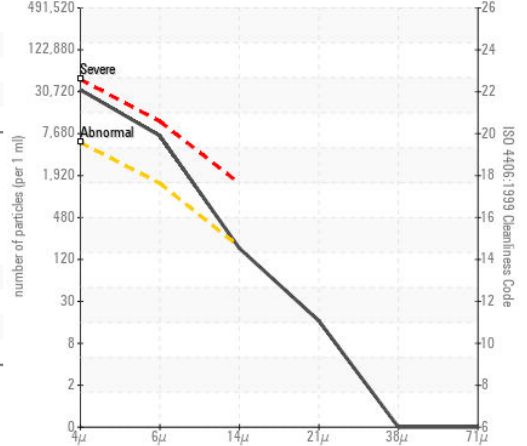
Non-ferrous Metals



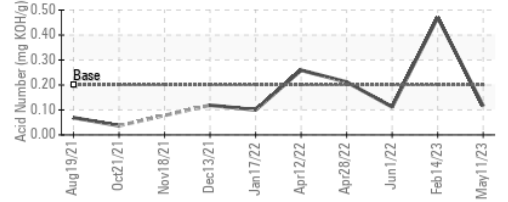
Viscosity @ 40°C



▲ Particle Count



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0079396 **Received** : 17 May 2023
Lab Number : 05849658 **Diagnosed** : 19 May 2023
Unique Number : 10473765 **Diagnostician** : Don Baldrige

Test Package : IND 2 (Additional Tests: KF)

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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