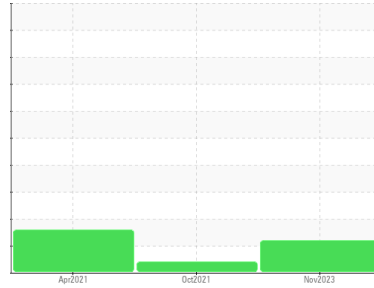




PROBLEM SUMMARY

Sample Rating Trend



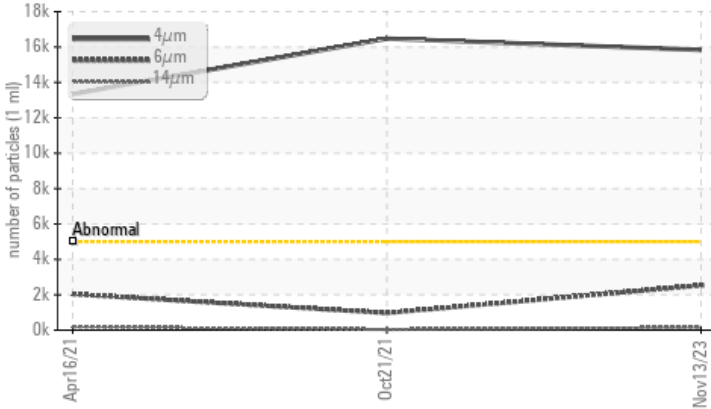
ISO



Area
Planer Mill/Strapper 2
 Machine Id
[Planer Mill^Strapper 2] STRAPPER 2
 Component
Hydraulic System
 Fluid
PETRO CANADA HYDREX AW 68 (58 GAL)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS

Sample Status			ABNORMAL	ABNORMAL	ABNORMAL
Particles >4µm	ASTM D7647	>5000	▲ 15834	▲ 16476	▲ 13346
Particles >6µm	ASTM D7647	>1300	▲ 2528	968	▲ 2033
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 21/19/14	▲ 21/17/12	▲ 21/18/15

Customer Id: WESRIE
 Sample No.: PCA0111689
 Lab Number: 06009643
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Wes Davis +1 905-569-8600 x223
wesd@wearcheck.ca

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.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

21 Oct 2021 Diag: Don Baldrige

ISO



No corrective action is recommended at this time. 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. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



16 Apr 2021 Diag: Angela Borella

ISO

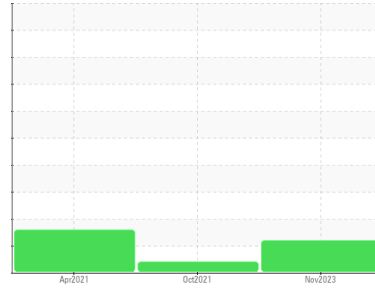


We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report



Area
Planer Mill/Strapper 2
 Machine Id
[Planer Mill^Strapper 2] STRAPPER 2
 Component
Hydraulic System
 Fluid
PETRO CANADA HYDREX AW 68 (58 GAL)



DIAGNOSIS

Recommendation

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

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The water content is negligible.

Fluid Condition

The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PCA0111689	PCA0058757	PCA0047962
Sample Date	Client Info	13 Nov 2023	21 Oct 2021	16 Apr 2021
Machine Age	hrs	Client Info	0	0
Oil Age	hrs	Client Info	0	0
Oil Changed	Client Info	Not Chngd	N/A	Not Chngd
Sample Status		ABNORMAL	ABNORMAL	ABNORMAL

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	0
Titanium	ppm	ASTM D5185m	0	0
Silver	ppm	ASTM D5185m	<1	1
Aluminum	ppm	ASTM D5185m >20	<1	0
Lead	ppm	ASTM D5185m >20	3	<1
Copper	ppm	ASTM D5185m >20	3	<1
Tin	ppm	ASTM D5185m >20	0	0
Antimony	ppm	ASTM D5185m	---	0
Vanadium	ppm	ASTM D5185m	0	0
Cadmium	ppm	ASTM D5185m	0	<1

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 0	0	4
Barium	ppm	ASTM D5185m 0	7	0
Molybdenum	ppm	ASTM D5185m 0	0	<1
Manganese	ppm	ASTM D5185m 0	0	0
Magnesium	ppm	ASTM D5185m 0	1	5
Calcium	ppm	ASTM D5185m 50	60	256
Phosphorus	ppm	ASTM D5185m 330	373	362
Zinc	ppm	ASTM D5185m 430	431	480
Sulfur	ppm	ASTM D5185m 760	1082	896

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	<1	<1
Sodium	ppm	ASTM D5185m	0	0
Potassium	ppm	ASTM D5185m >20	<1	0
Water	%	ASTM D6304 >0.05	0.007	0.007
ppm Water	ppm	ASTM D6304 >500	78.2	73.4

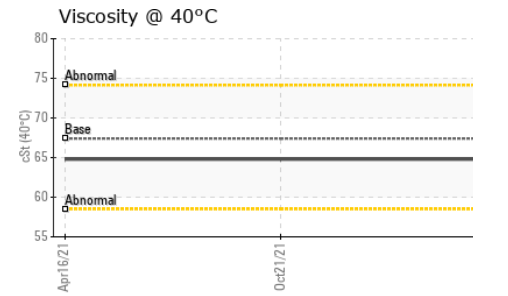
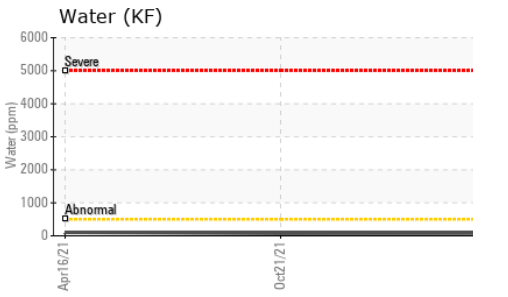
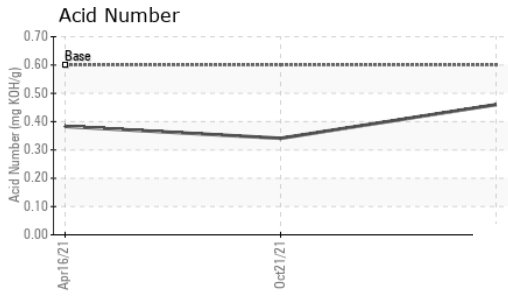
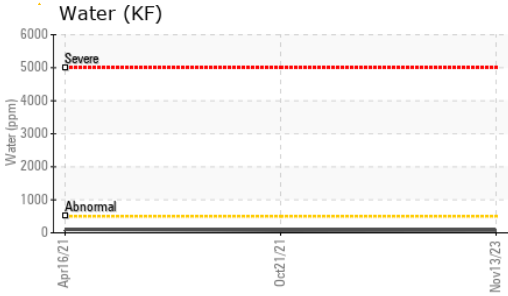
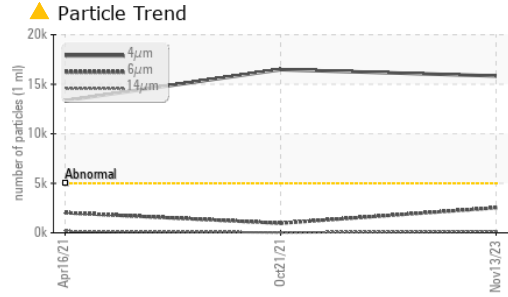
FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >5000	▲ 15834	▲ 16476	▲ 13346
Particles >6µm	ASTM D7647 >1300	▲ 2528	968	▲ 2033
Particles >14µm	ASTM D7647 >160	151	34	▲ 180
Particles >21µm	ASTM D7647 >40	47	10	▲ 60
Particles >38µm	ASTM D7647 >10	4	0	6
Particles >71µm	ASTM D7647 >3	0	0	0
Oil Cleanliness	ISO 4406 (c) >19/17/14	▲ 21/19/14	▲ 21/17/12	▲ 21/18/15

FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.60	0.46	0.341
				0.383

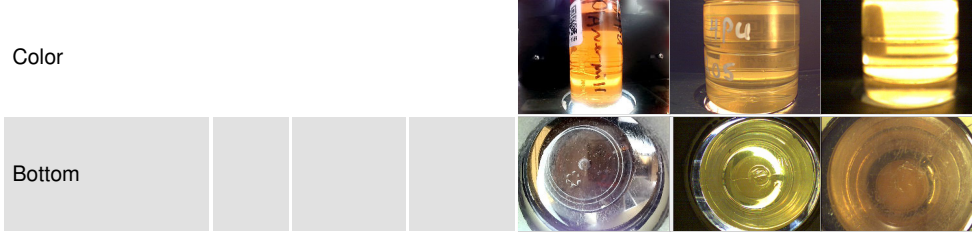
OIL ANALYSIS REPORT



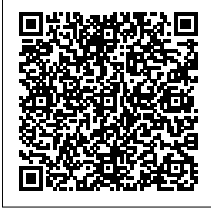
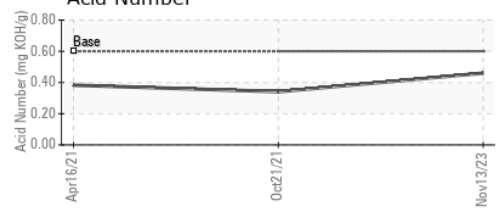
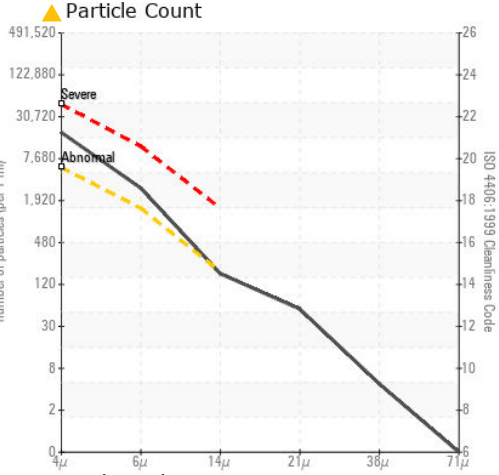
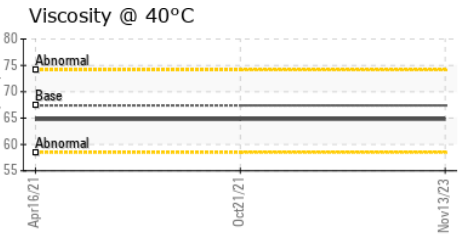
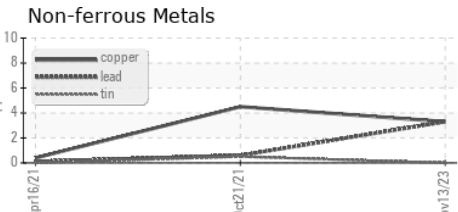
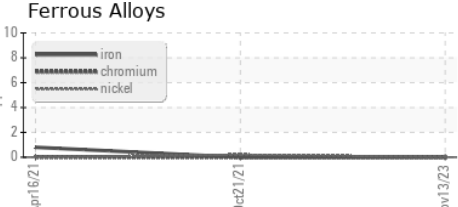
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	67.4	64.8	64.8

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0111689 **Received** : 16 Nov 2023
Lab Number : 06009643 **Diagnosed** : 17 Nov 2023
Unique Number : 10743405 **Diagnostician** : Wes Davis
Test Package : IND 2 (Additional Tests: KF)

West Fraser Inc. - Armour Lumber Mill
 361 Federal Road, PO Box 57
 Riegelwood, NC
 US 28456
 Contact: Jay Wilson
 Jay.B.Wilson@westfraser.com
 T: (910)627-3021
 F: (910)655-9368

Certificate L2367
 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)