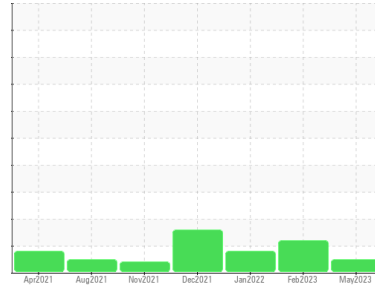


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**Planer Mill/Bulk Tank**  
 Machine Id  
**[Planer Mill^Bulk Tank] PM Hydraulic Bulk Tank**  
 Component  
**Bulk Fluid Tank**  
 Fluid  
**PETRO CANADA HYDREX AW 68 (250 GAL)**

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

#### 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	<b>PCA0079492</b>	PCA0079413	PCA0058763
Sample Date	Client Info	<b>11 May 2023</b>	14 Feb 2023	17 Jan 2022
Machine Age	mths	Client Info	0	0
Oil Age	mths	Client Info	0	0
Oil Changed	Client Info	<b>Not Changed</b>	Not Changed	N/A
Sample Status		<b>NORMAL</b>	ATTENTION	ATTENTION

### WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m	0	0	<1
Chromium	ppm	ASTM D5185m	0	0	0
Nickel	ppm	ASTM D5185m	0	0	0
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m	0	0	<1
Aluminum	ppm	ASTM D5185m	1	0	2
Lead	ppm	ASTM D5185m	0	0	0
Copper	ppm	ASTM D5185m	0	0	<1
Tin	ppm	ASTM D5185m	0	0	0
Antimony	ppm	ASTM D5185m	---	---	<1
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

### ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m	0	0	2
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	<1
Manganese	ppm	ASTM D5185m	0	0	0
Magnesium	ppm	ASTM D5185m	0	<1	0
Calcium	ppm	ASTM D5185m	50	58	50
Phosphorus	ppm	ASTM D5185m	330	325	326
Zinc	ppm	ASTM D5185m	430	416	406
Sulfur	ppm	ASTM D5185m	760	714	703

### CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	32	<1	1
Sodium	ppm	ASTM D5185m	0	<1	0
Potassium	ppm	ASTM D5185m	>20	0	0
Water	%	ASTM D6304	0.004	0.010	0.005
ppm Water	ppm	ASTM D6304	48.4	105.6	52.1

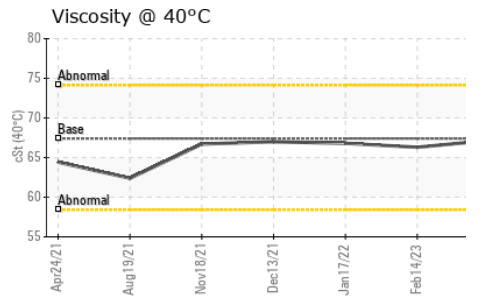
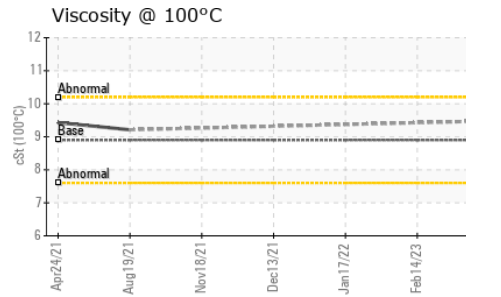
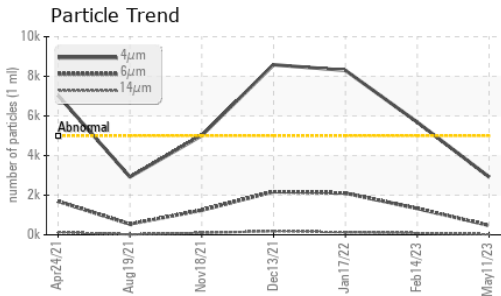
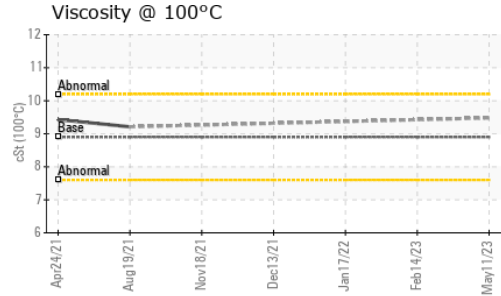
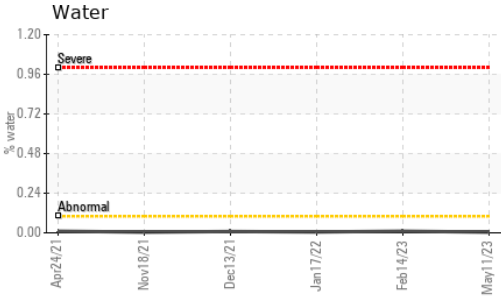
### FLUID CLEANLINESS

method	limit/base	current	history1	history2	
Particles >4µm	ASTM D7647	>5000	2920	▲ 5685	▲ 8300
Particles >6µm	ASTM D7647	>1300	471	▲ 1331	▲ 2105
Particles >14µm	ASTM D7647	>160	23	87	128
Particles >21µm	ASTM D7647	>40	5	18	23
Particles >38µm	ASTM D7647	>10	1	2	2
Particles >71µm	ASTM D7647	>3	0	0	0
Oil Cleanliness	ISO 4406 (c)	>19/17/14	19/16/12	▲ 20/18/14	▲ 20/18/14

### FLUID DEGRADATION

method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045	0.60	0.37	0.41
				0.41	0.41

# OIL ANALYSIS REPORT

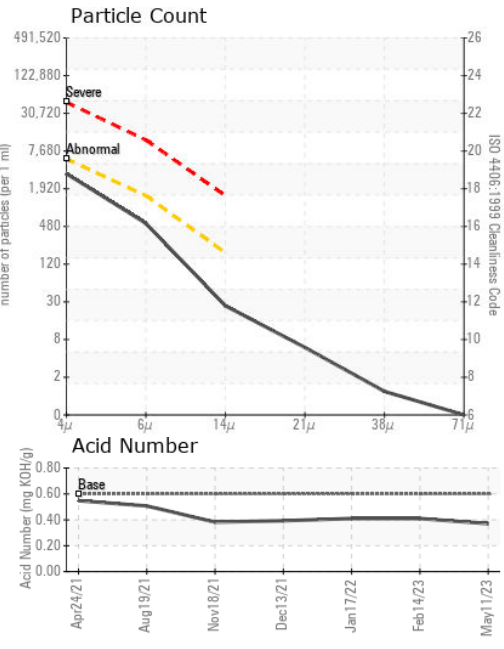
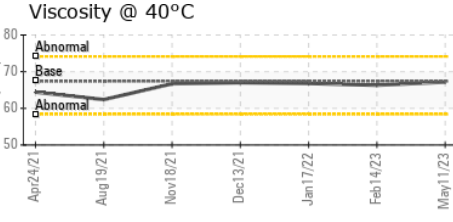
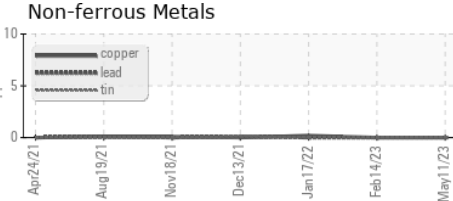
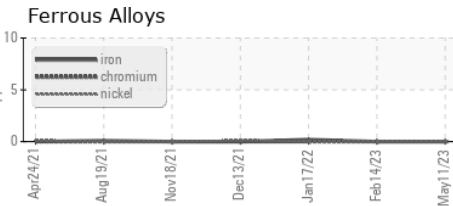


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	67.4	67.16	66.3
Visc @ 100°C	cSt	ASTM D445	8.9	9.48	---
Viscosity Index (VI)	Scale	ASTM D2270	105	120	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0079492 **Received** : 17 May 2023  
**Lab Number** : 05850029 **Diagnosed** : 22 May 2023  
**Unique Number** : 10479384 **Diagnostician** : Jonathan Hester  
**Test Package** : IND 2 ( Additional Tests: KF, KV100, PrtCount, VI )

**West Fraser Inc. - Armour Lumber Mill**  
 361 Federal Road, PO Box 57  
 Riegelwood, NC  
 US 28456  
 Contact: Juan Navarro  
 Juan.Navarro@westfraser.com  
 T:  
 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)