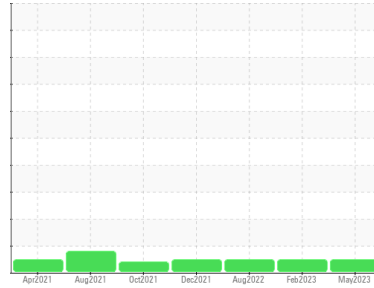


# OIL ANALYSIS REPORT

## Sample Rating Trend



**NORMAL**



Area  
**Sawmill/Bulk Tank**  
 Machine Id  
**[Sawmill^Bulk Tank] SM Hydraulic Bulk Tank**  
 Component  
**Bulk Fluid Tank**  
 Fluid  
**PETRO CANADA HYDREX AW 68 (1000 GAL)**

## DIAGNOSIS

### Recommendation

This is a baseline read-out on the submitted sample.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>PCA0079394</b>	PCA0079420	PCA0068725
Sample Date	Client Info			<b>11 May 2023</b>	14 Feb 2023	15 Aug 2022
Machine Age	days	Client Info		<b>0</b>	7	7
Oil Age	days	Client Info		<b>0</b>	0	7
Oil Changed	Client Info			<b>Not Chngd</b>	Not Chngd	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

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

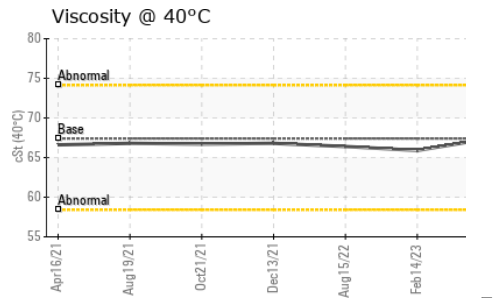
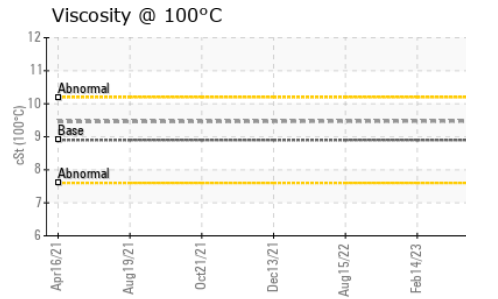
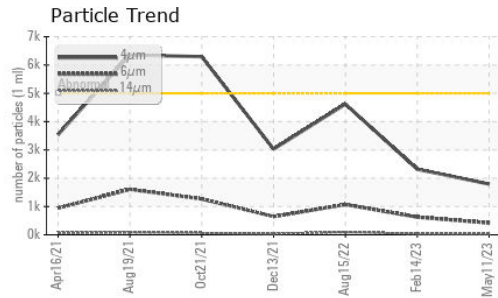
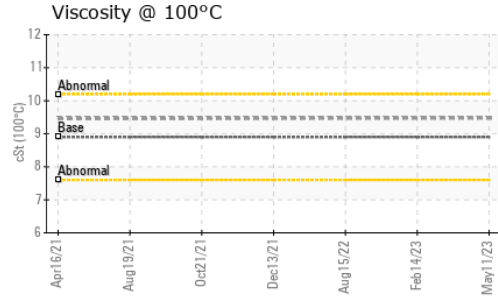
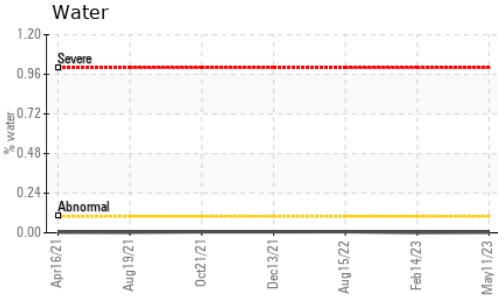
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	<b>0</b>	0	0
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	<1
Manganese	ppm	ASTM D5185m	0	<b>0</b>	0	0
Magnesium	ppm	ASTM D5185m	0	<b>3</b>	0	<1
Calcium	ppm	ASTM D5185m	50	<b>106</b>	49	57
Phosphorus	ppm	ASTM D5185m	330	<b>348</b>	323	351
Zinc	ppm	ASTM D5185m	430	<b>439</b>	402	483
Sulfur	ppm	ASTM D5185m	760	<b>719</b>	704	1099

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Sodium	ppm	ASTM D5185m		<b>0</b>	<1	0
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	<1
Water	%	ASTM D6304		<b>0.003</b>	0.001	0.007
ppm Water	ppm	ASTM D6304		<b>33.4</b>	1.8	77.0

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<b>1794</b>	2318	4619
Particles >6µm		ASTM D7647	>1300	<b>421</b>	626	1072
Particles >14µm		ASTM D7647	>160	<b>23</b>	34	96
Particles >21µm		ASTM D7647	>40	<b>6</b>	6	33
Particles >38µm		ASTM D7647	>10	<b>0</b>	0	4
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>18/16/12</b>	18/16/12	19/17/14

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

# OIL ANALYSIS REPORT

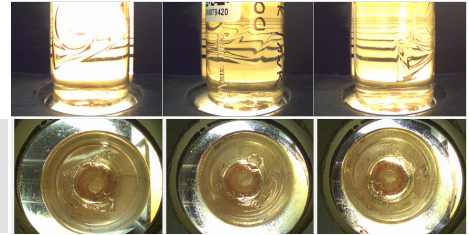


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	67.41	65.9
Visc @ 100°C	cSt	ASTM D445	8.9	9.48	---
Viscosity Index (VI)	Scale	ASTM D2270	105	119	---

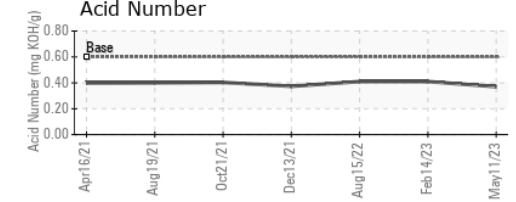
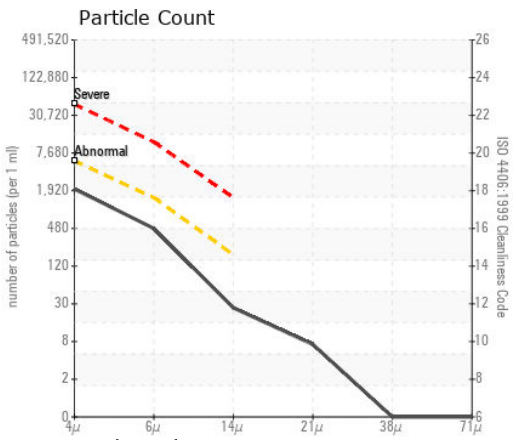
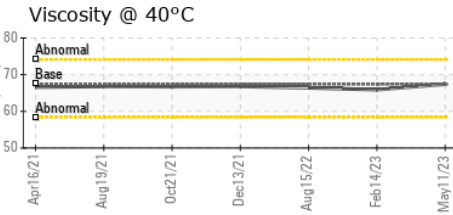
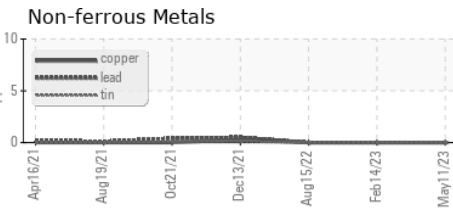
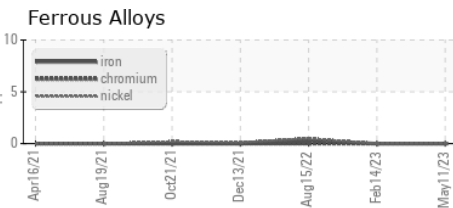
SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color



Bottom

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0079394 **Received** : 17 May 2023  
**Lab Number** : 05850027 **Diagnosed** : 22 May 2023  
**Unique Number** : 10479382 **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

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)