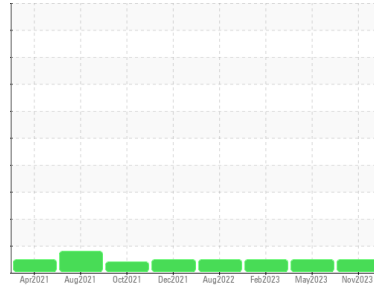


OIL ANALYSIS REPORT

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			PCA0111693	PCA0079394	PCA0079420
Sample Date	Client Info			13 Nov 2023	11 May 2023	14 Feb 2023
Machine Age	days	Client Info		0	0	7
Oil Age	days	Client Info		0	0	0
Oil Changed	Client Info			Not Changed	Not Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m		0	0	0
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	0
Aluminum	ppm	ASTM D5185m		<1	1	0
Lead	ppm	ASTM D5185m		0	0	0
Copper	ppm	ASTM D5185m		0	0	0
Tin	ppm	ASTM D5185m		0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0

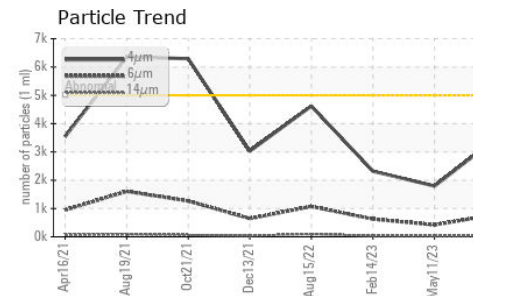
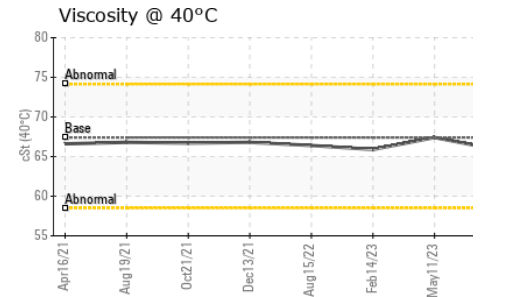
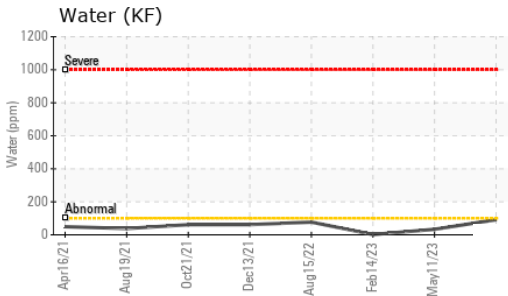
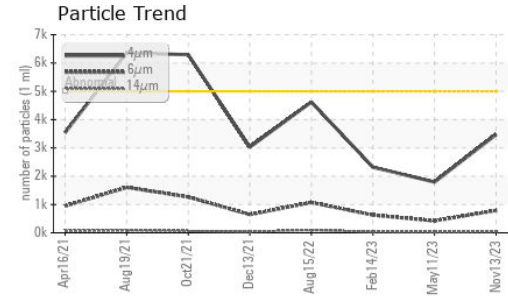
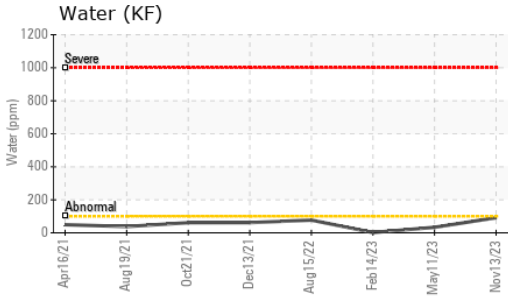
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	0	6	0	0
Molybdenum	ppm	ASTM D5185m	0	0	<1	0
Manganese	ppm	ASTM D5185m	0	0	0	0
Magnesium	ppm	ASTM D5185m	0	1	3	0
Calcium	ppm	ASTM D5185m	50	51	106	49
Phosphorus	ppm	ASTM D5185m	330	323	348	323
Zinc	ppm	ASTM D5185m	430	415	439	402
Sulfur	ppm	ASTM D5185m	760	883	719	704

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m		3	<1	<1
Sodium	ppm	ASTM D5185m		0	0	<1
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water	%	ASTM D6304		0.009	0.003	0.001
ppm Water	ppm	ASTM D6304		91.4	33.4	1.8

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	3472	1794	2318
Particles >6µm		ASTM D7647	>1300	788	421	626
Particles >14µm		ASTM D7647	>160	41	23	34
Particles >21µm		ASTM D7647	>40	9	6	6
Particles >38µm		ASTM D7647	>10	1	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/17/13	18/16/12	18/16/12

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.60	0.42	0.37	0.41

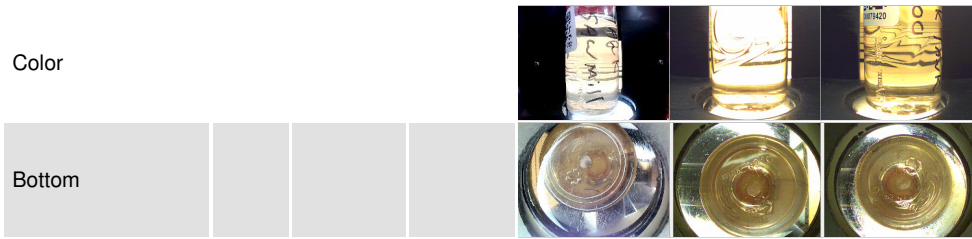
OIL ANALYSIS REPORT



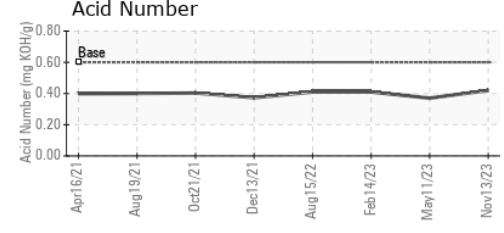
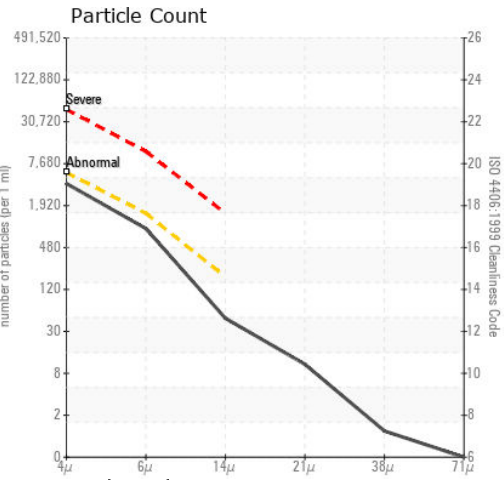
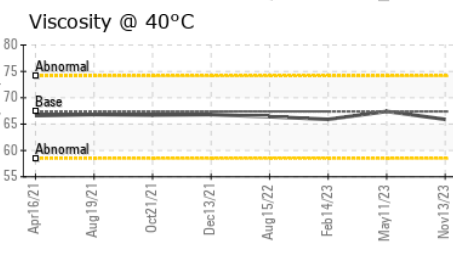
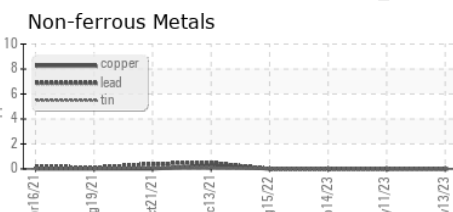
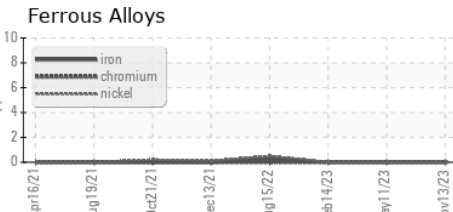
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	65.9	67.41

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PCA0111693
Lab Number : 06009649
Unique Number : 10743411
Test Package : IND 2 (Additional Tests: KF, PrtCount)

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)