

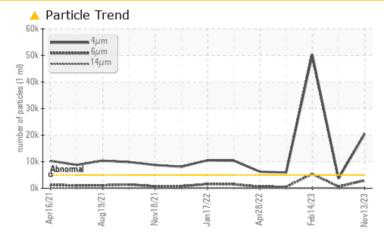
PROBLEM SUMMARY

Area Sawmill/Trimmer [Sawmill^Trimmer] Comact LOG LOADER HPU

Hydraulic System

PETRO CANADA HYDREX AW 68 (105 GAL)

COMPONENT CONDITION SUMMARY



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	<u> </u>	3674	▲ 50280		
Particles >6µm	ASTM D7647	>1300	🔺 2965	615	5 379		
Oil Cleanliness	ISO 4406 (c)	>19/17/14	<u> </u>	19/16/11	▲ 23/20/14		

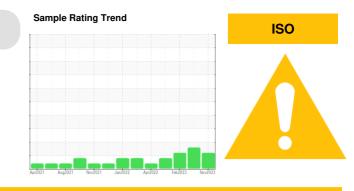
Customer Id: WESRIE Sample No.: PCA0111706 Lab Number: 06009647 Test Package: IND 2



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 <u>customerservice@wearcheck.com</u>



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



11 May 2023 Diag: Don Baldridge

No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. Elemental level of silicon (Si) above normal. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



view report

14 Feb 2023 Diag: Don Baldridge



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 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.

01 Jun 2022 Diag: Don Baldridge



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 moderate amount of silt (particulates < 6 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.







OIL ANALYSIS REPORT

Sample Number

Sample Date

Machine Age

Oil Changed

Sample Status

Oil Age

Iron

Nickel

Silver

Lead

Tin

Copper

Vanadium

Cadmium

Boron

Barium

Molybdenum

Manganese

Magnesium

Phosphorus

Calcium

Zinc

ADDITIVES

Titanium

Aluminum

Chromium

Sawmill/Trimmer [Sawmill^Trimmer] Comact LOG LOADER HPU omponent

Hydraulic System

PETRO CANADA HYDREX AW 68 (105 GAL)

DIAGNOSIS

Recommendation

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

Wear

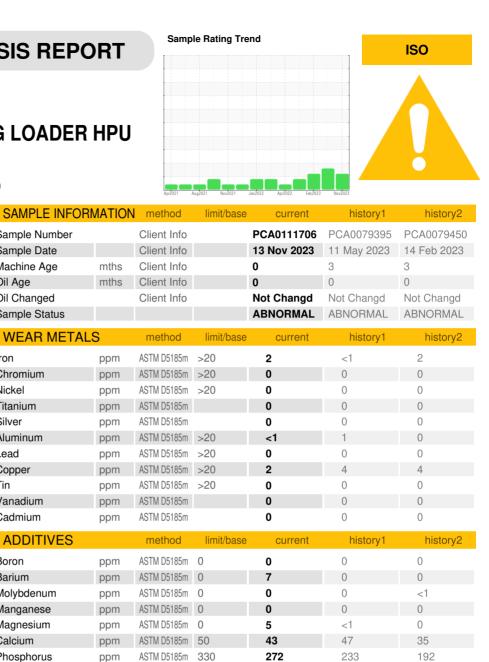
All component wear rates are normal.

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.



Sulfur	ppm	ASTM D5185m	760	793	621	590
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>15	5	▲ 34	14
Sodium	ppm	ASTM D5185m		0	<1	1
Potassium	ppm	ASTM D5185m	>20	<1	0	0
Water	%	ASTM D6304	>0.05	0.006	0.006	0.008
ppm Water	ppm	ASTM D6304	>500	63.5	60.4	80.4

319

245

198

ASTM D5185m 430

ppm

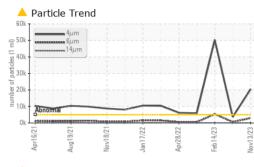
FLUID CLEANLINES	S method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>5000	A 20496	3674	▲ 50280
Particles >6µm	ASTM D7647	>1300	<u> </u>	615	5 379
Particles >14µm	ASTM D7647	>160	88	19	94
Particles >21µm	ASTM D7647	>40	16	3	16
Particles >38µm	ASTM D7647	>10	0	0	1
Particles >71µm	ASTM D7647	>3	0	0	0
Oil Cleanliness	ISO 4406 (c)	>19/17/14	A 22/19/14	19/16/11	▲ 23/20/14
FLUID DEGRADATIC	N method	limit/base	current	history1	history2
Acid Number (AN) mg KOH	/g ASTM D8045	0.60	0.31	0.30	0.31

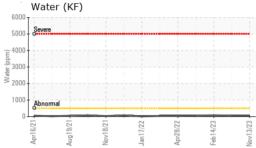
Report Id: WESRIE [WUSCAR] 06009647 (Generated: 11/17/2023 16:11:22) Rev: 1

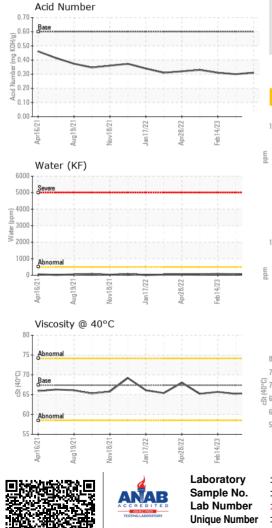
Submitted By: JAMES KRINER



OIL ANALYSIS REPORT

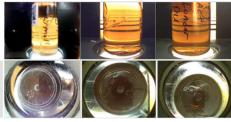




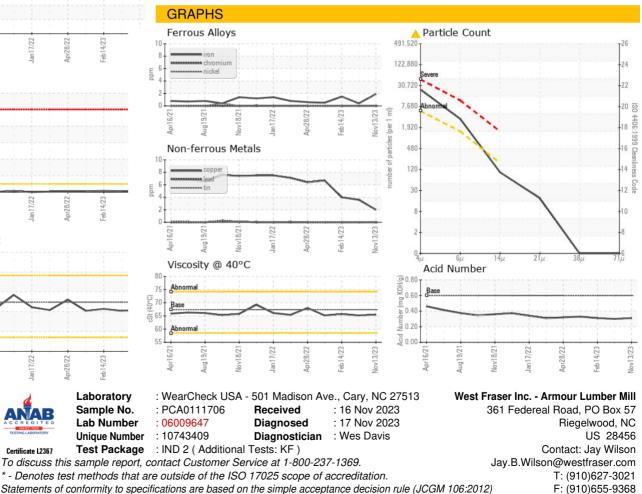


VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.05	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPE	RTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	67.4	65.5	65.2	65.7
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color						A-A





Bottom



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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