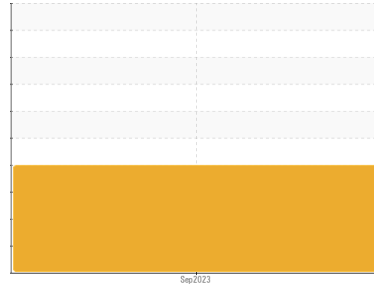


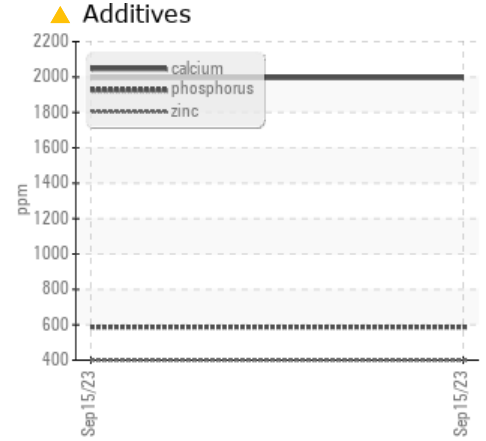
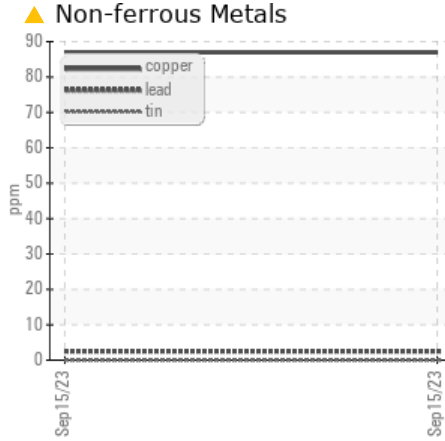
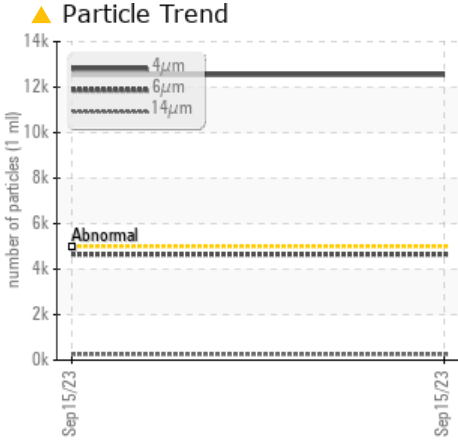
Machine Id
PIKRITE 30098004

Component
2 Hydraulic System

Fluid
PETRO CANADA DURATRAN (120 GAL)



COMPONENT CONDITION SUMMARY



RECOMMENDATION

The filter change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	---	---
Copper	ppm	ASTM D5185(m)	>75	▲ 87	---	---
Boron	ppm	ASTM D5185(m)	110	▲ 8	---	---
Calcium	ppm	ASTM D5185(m)	3610	▲ 1996	---	---
Phosphorus	ppm	ASTM D5185(m)	1192	▲ 587	---	---
Zinc	ppm	ASTM D5185(m)	1455	▲ 400	---	---
Particles >4µm		ASTM D7647	>5000	▲ 12549	---	---
Particles >6µm		ASTM D7647	>1300	▲ 4651	---	---
Particles >14µm		ASTM D7647	>160	▲ 258	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 21/19/15	---	---

Customer Id: MCG3CHA
Sample No.: PC0069568
Lab Number: 02584683
Test Package: IND 2



To manage this report scan the QR code

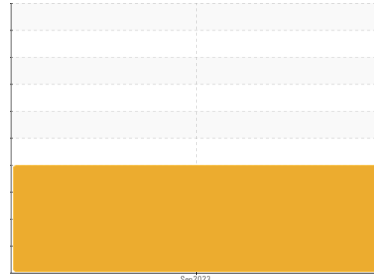
To discuss the diagnosis or test data:
Bill Quesnel CLS,OMA II,MLA-III,LLA-I +1
(289)291-4641 x4641
Bill.Quesnel@wearcheck.com

To change component or sample information:
Gloria Gonzalez +1 (289)291-4643 x4643
gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Resample	---	---	?	We recommend an early resample to monitor this condition.
Check Fluid Source	---	---	?	Confirm the source of the lubricant being utilized for top-up/fill.

HISTORICAL DIAGNOSIS



Machine Id
PIKRITE 30098004

Component
2 Hydraulic System

Fluid
PETRO CANADA DURATRAN (120 GAL)

DIAGNOSIS

Recommendation

The filter change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition.

Wear

Copper ppm levels are noted. All other component wear rates are normal.

Contamination

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

Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. 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			PC0069568	---	---
Sample Date	Client Info			15 Sep 2023	---	---
Machine Age	hrs	Client Info		1488	---	---
Oil Age	hrs	Client Info		0	---	---
Oil Changed	Client Info			N/A	---	---
Sample Status				ABNORMAL	---	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	6	---	---
Chromium	ppm	ASTM D5185(m)	>10	0	---	---
Nickel	ppm	ASTM D5185(m)	>10	0	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)	>10	<1	---	---
Lead	ppm	ASTM D5185(m)	>10	2	---	---
Copper	ppm	ASTM D5185(m)	>75	▲ 87	---	---
Tin	ppm	ASTM D5185(m)	>10	0	---	---
Antimony	ppm	ASTM D5185(m)		0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
Beryllium	ppm	ASTM D5185(m)		0	---	---
Cadmium	ppm	ASTM D5185(m)		0	---	---

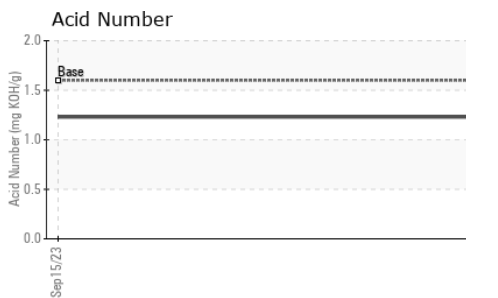
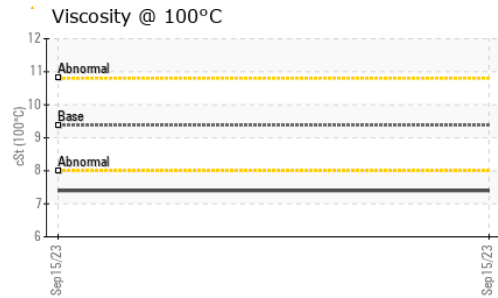
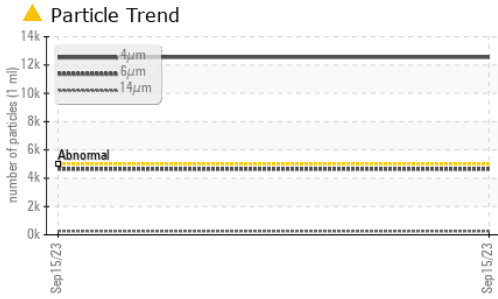
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	110	▲ 8	---	---
Barium	ppm	ASTM D5185(m)	0.0	0	---	---
Molybdenum	ppm	ASTM D5185(m)	0.0	<1	---	---
Manganese	ppm	ASTM D5185(m)	1	<1	---	---
Magnesium	ppm	ASTM D5185(m)	13	7	---	---
Calcium	ppm	ASTM D5185(m)	3610	▲ 1996	---	---
Phosphorus	ppm	ASTM D5185(m)	1192	▲ 587	---	---
Zinc	ppm	ASTM D5185(m)	1455	▲ 400	---	---
Sulfur	ppm	ASTM D5185(m)	2641	2786	---	---
Lithium	ppm	ASTM D5185(m)		<1	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	3	---	---
Sodium	ppm	ASTM D5185(m)		3	---	---
Potassium	ppm	ASTM D5185(m)	>20	2	---	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	▲ 12549	---	---
Particles >6µm		ASTM D7647	>1300	▲ 4651	---	---
Particles >14µm		ASTM D7647	>160	▲ 258	---	---
Particles >21µm		ASTM D7647	>40	51	---	---
Particles >38µm		ASTM D7647	>10	1	---	---
Particles >71µm		ASTM D7647	>3	0	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 21/19/15	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	1.6	1.23	---	---

OIL ANALYSIS REPORT

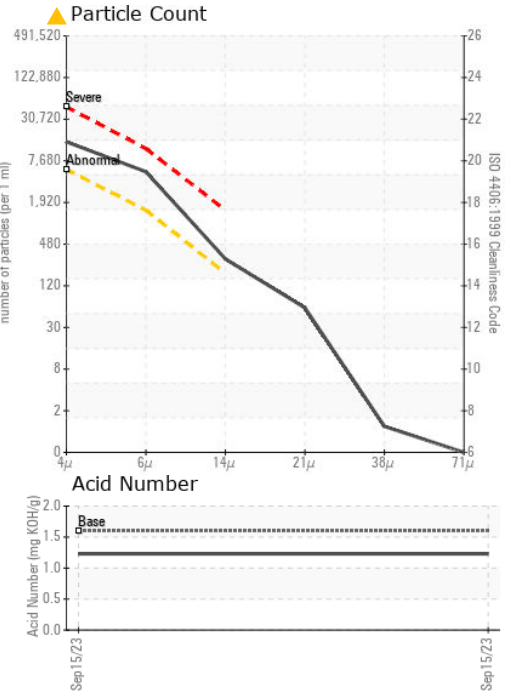
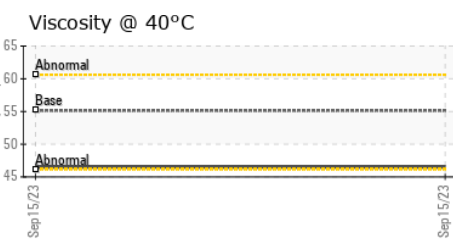
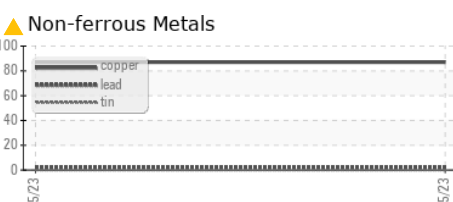
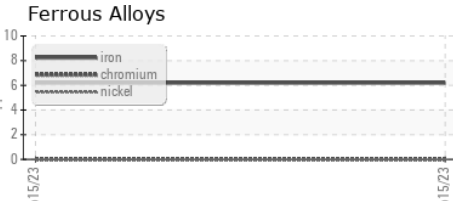


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.1	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	55.14	46.5	---
Visc @ 100°C	cSt	ASTM D7279(m)	9.38	7.4	---
Viscosity Index (VI)	Scale	ASTM D2270*	153	122	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0069568 **Received** : 22 Sep 2023
Lab Number : 02584683 **Diagnosed** : 26 Sep 2023
Unique Number : 5645748 **Diagnostician** : Bill Quesnel
Test Package : IND 2 (Additional Tests: KV100, TAN MAN, VI)

MCGEACHY FARMS
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 CHATHAM, ON
 CA N7M 5J3
 Contact: SCOTT
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 F:

To discuss this sample report, contact Customer Service at 1-800-268-2131.
 Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab.
 Validity of results and interpretation are based on the sample and information as supplied.