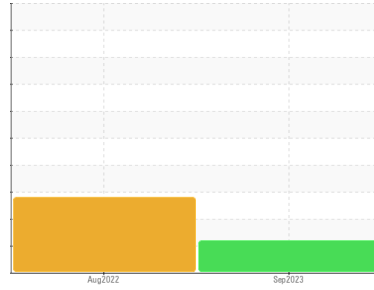


# PROBLEM SUMMARY

Sample Rating Trend



**OFF SPEC**



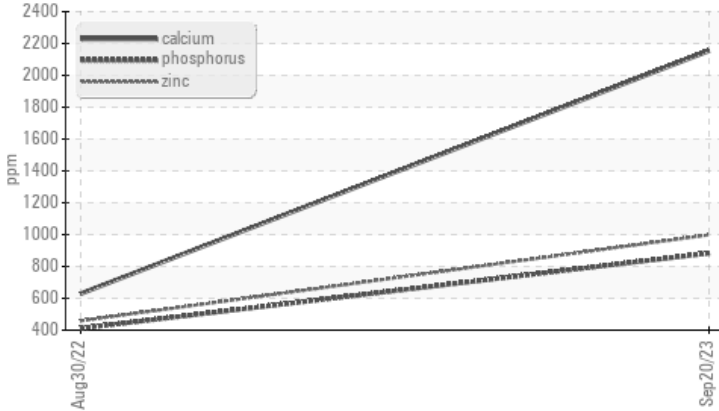
Machine Id  
**PIKRITE 30000008**

Component  
**3 Hydraulic System**

Fluid  
**PETRO CANADA DURATRAN (120 GAL)**

## COMPONENT CONDITION SUMMARY

### ▲ Additives



## RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

Sample Status				<b>ABNORMAL</b>	ABNORMAL	---
Boron	ppm	ASTM D5185(m)	110	▲ 2	▲ 11	---
Calcium	ppm	ASTM D5185(m)	3610	▲ 2154	▲ 629	---
Viscosity Index (VI)	Scale	ASTM D2270*	153	▲ 111	▲ 111	---

Customer Id: MCG3CHA  
Sample No.: PC0069569  
Lab Number: 02584681  
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](mailto:Bill.Quesnel@wearcheck.com)

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

## RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Check Fluid Source	---	---	?	Confirm the source of the lubricant being utilized for top-up/fill.

## HISTORICAL DIAGNOSIS

OFF SPEC

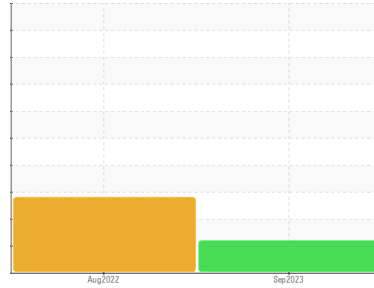


### 30 Aug 2022 Diag: Kevin Marson

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. Please provide more complete information on your next sample. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. All component wear rates are normal. There is no indication of any contamination in the sample. Viscosity of sample indicates oil is within ISO 46 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The AN level is acceptable for this fluid. The condition of the sample is suitable for further service.

view report





Machine Id  
**PIKRITE 30000008**

Component  
**3 Hydraulic System**

Fluid  
**PETRO CANADA DURATRAN (120 GAL)**

**DIAGNOSIS**

**Recommendation**

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.

**Wear**

All component wear rates are normal.

**Contamination**

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

**Fluid Condition**

Additive levels indicate the addition of a different brand, or type of oil. 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>PC0069569</b>	PC0043995	---
Sample Date	Client Info			<b>20 Sep 2023</b>	30 Aug 2022	---
Machine Age	hrs	Client Info		<b>0</b>	1528	---
Oil Age	hrs	Client Info		<b>60</b>	0	---
Oil Changed	Client Info			<b>Changed</b>	N/A	---
Sample Status				<b>ABNORMAL</b>	ABNORMAL	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	<b>2</b>	11	---
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Nickel	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Titanium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	0	---
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	2	---
Copper	ppm	ASTM D5185(m)	>75	<b>6</b>	35	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Antimony	ppm	ASTM D5185(m)		<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	---

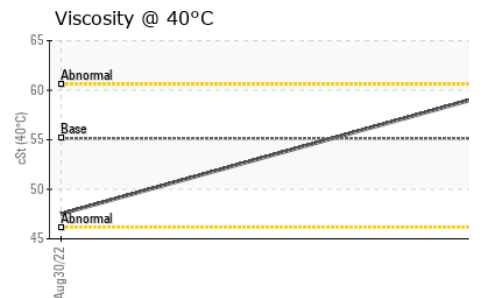
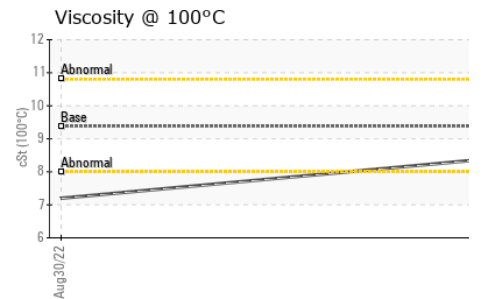
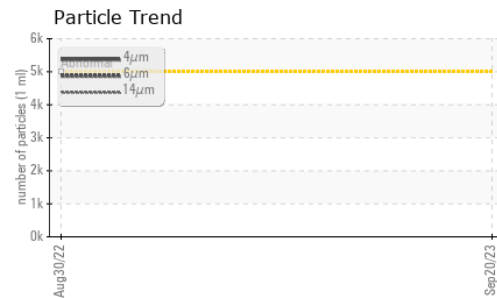
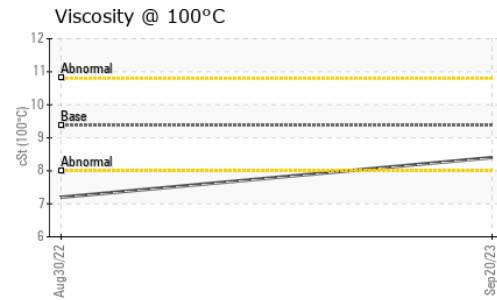
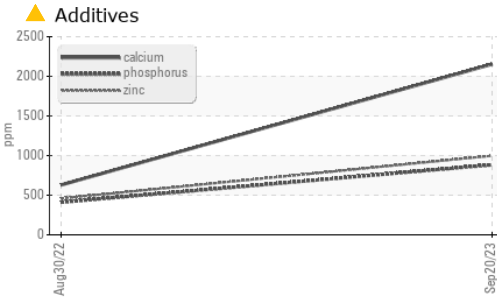
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	110	<b>▲ 2</b>	▲ 11	---
Barium	ppm	ASTM D5185(m)	0.0	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	0.0	<b>&lt;1</b>	<1	---
Manganese	ppm	ASTM D5185(m)	1	<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185(m)	13	<b>11</b>	9	---
Calcium	ppm	ASTM D5185(m)	3610	<b>▲ 2154</b>	▲ 629	---
Phosphorus	ppm	ASTM D5185(m)	1192	<b>883</b>	▲ 411	---
Zinc	ppm	ASTM D5185(m)	1455	<b>998</b>	▲ 458	---
Sulfur	ppm	ASTM D5185(m)	2641	<b>2535</b>	2108	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	<b>3</b>	1	---
Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	2	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	18	---

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>5000	<b>3014</b>	---	---
Particles >6µm		ASTM D7647	>1300	<b>1118</b>	---	---
Particles >14µm		ASTM D7647	>160	<b>111</b>	---	---
Particles >21µm		ASTM D7647	>40	<b>30</b>	---	---
Particles >38µm		ASTM D7647	>10	<b>1</b>	---	---
Particles >71µm		ASTM D7647	>3	<b>0</b>	---	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>19/17/14</b>	---	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	1.6	<b>1.67</b>	0.39	---

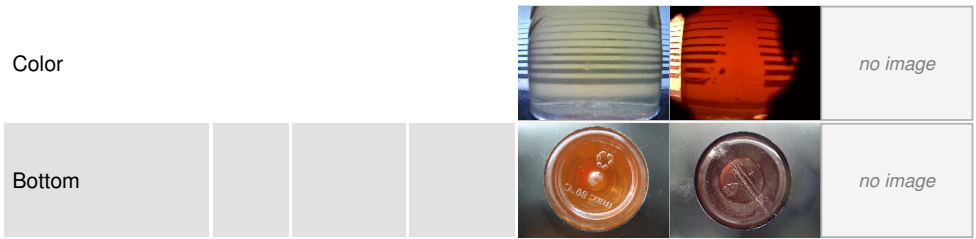
# OIL ANALYSIS REPORT



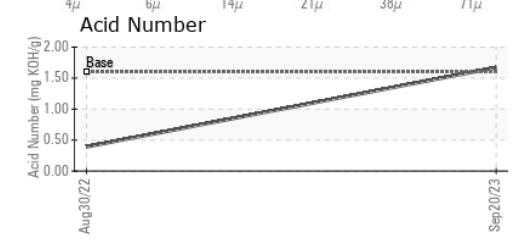
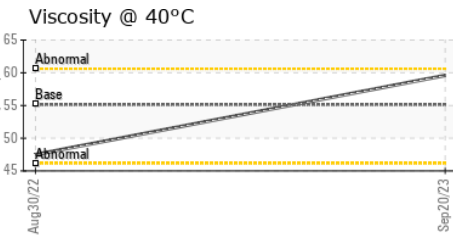
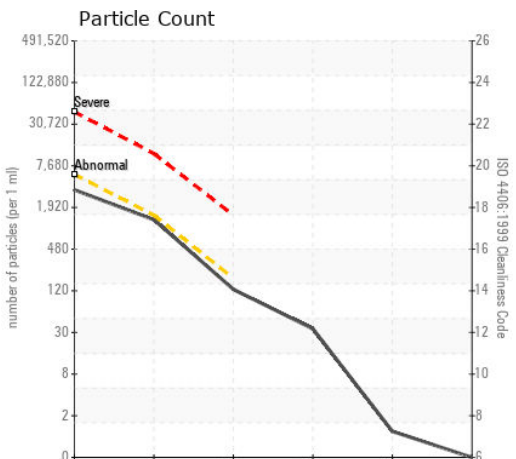
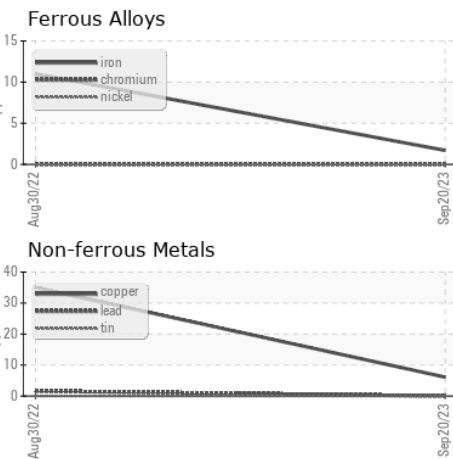
PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar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

PARAMETER	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	55.14	▲ 47.5	---
Visc @ 100°C	cSt	ASTM D7279(m)	9.38	▲ 8.4	---
Viscosity Index (VI)	Scale	ASTM D2270*	153	▲ 111	---

## SAMPLE IMAGES



## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0069569 **Received** : 22 Sep 2023  
**Lab Number** : 02584681 **Diagnosed** : 26 Sep 2023  
**Unique Number** : 5645746 **Diagnostician** : Bill Quesnel  
**Test Package** : IND 2 ( Additional Tests: KV100, TAN MAN, VI )

**MCGEACHY FARMS**  
 R.R. # 3, 361 INDIAN CREEK RD E  
 CHATHAM, ON  
 CA N7M 5J3  
 Contact: SCOTT  
 mcgeachy@ciaccess.com  
 T: (519)352-5353  
 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.