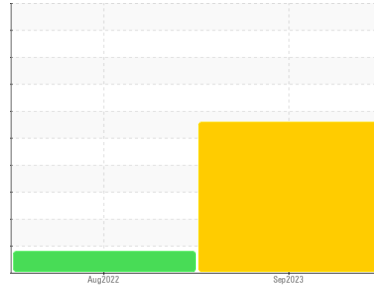


PROBLEM SUMMARY

Sample Rating Trend



ISO



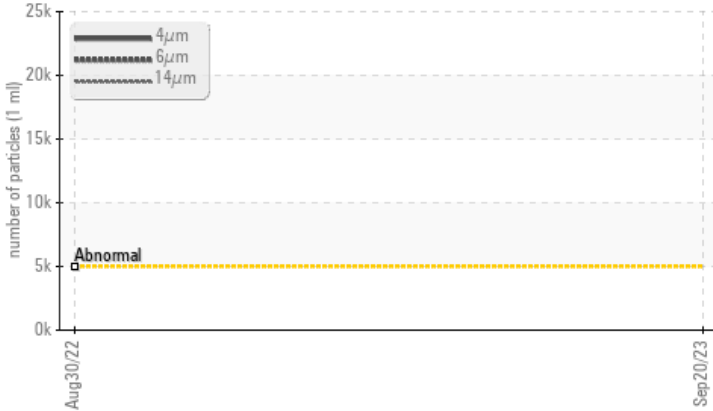
Machine Id
PIKRITE 30098006

Component
Hydraulic System

Fluid
PETRO CANADA DURATRAN (120 GAL)

COMPONENT CONDITION SUMMARY

Particle Trend



RECOMMENDATION

We advise that you check all areas where contaminants can enter the system. The oil change at the time of sampling has been noted. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Resample in 30-45 days to monitor this situation.

PROBLEMATIC TEST RESULTS

Sample Status	SEVERE	ABNORMAL	---
Particles >4µm	▲ 24332	---	---
Particles >6µm	● 10343	---	---
Particles >14µm	▲ 1176	---	---
Particles >21µm	● 327	---	---
Oil Cleanliness	● 22/21/17	---	---

Customer Id: MCG3CHA
Sample No.: PC0069567
Lab Number: 02584682
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:
Gloria Gonzalez +1 (289)291-4643 x4643
gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Resample	---	---	?	Resample in 30-45 days to monitor this situation.
Check Breathers	---	---	?	The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather.
Check Dirt Access	---	---	?	We advise that you check all areas where contaminants can enter the system.

HISTORICAL DIAGNOSIS

VISCOSITY



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. Resample at the next service interval to monitor. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please provide more complete information on your 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 SAE 75W80 range, advise investigate. The AN level is acceptable for this fluid. The condition of the sample is suitable for further service.

view report

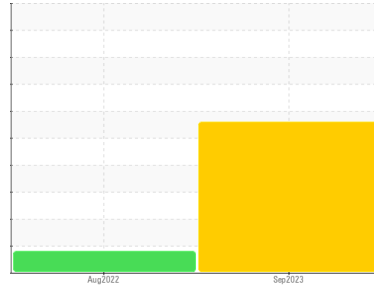




Machine Id
PIKRITE 30098006

Component
Hydraulic System

Fluid
PETRO CANADA DURATRAN (120 GAL)



DIAGNOSIS

Recommendation

We advise that you check all areas where contaminants can enter the system. The oil change at the time of sampling has been noted. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Resample in 30-45 days to monitor this situation.

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates (2 to 100 microns in size) present in the oil.

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.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	PC0069567	PC0043996	---
Sample Date	Client Info	20 Sep 2023	30 Aug 2022	---
Machine Age	hrs	0	1528	---
Oil Age	hrs	1650	200	---
Oil Changed	Client Info	Changed	N/A	---
Sample Status		SEVERE	ABNORMAL	---

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m) >20	2	2	---
Chromium	ppm	ASTM D5185(m) >10	0	0	---
Nickel	ppm	ASTM D5185(m) >10	<1	0	---
Titanium	ppm	ASTM D5185(m)	0	<1	---
Silver	ppm	ASTM D5185(m)	0	0	---
Aluminum	ppm	ASTM D5185(m) >10	<1	<1	---
Lead	ppm	ASTM D5185(m) >10	2	3	---
Copper	ppm	ASTM D5185(m) >75	61	55	---
Tin	ppm	ASTM D5185(m) >10	0	0	---
Antimony	ppm	ASTM D5185(m)	0	0	---
Vanadium	ppm	ASTM D5185(m)	0	0	---
Beryllium	ppm	ASTM D5185(m)	0	0	---
Cadmium	ppm	ASTM D5185(m)	0	0	---

ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m) 110	73	76	---
Barium	ppm	ASTM D5185(m) 0.0	0	0	---
Molybdenum	ppm	ASTM D5185(m) 0.0	1	1	---
Manganese	ppm	ASTM D5185(m) 1	<1	<1	---
Magnesium	ppm	ASTM D5185(m) 13	26	25	---
Calcium	ppm	ASTM D5185(m) 3610	2736	2803	---
Phosphorus	ppm	ASTM D5185(m) 1192	986	893	---
Zinc	ppm	ASTM D5185(m) 1455	1130	1101	---
Sulfur	ppm	ASTM D5185(m) 2641	2355	2339	---
Lithium	ppm	ASTM D5185(m)	<1	<1	---

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m) >20	5	5	---
Sodium	ppm	ASTM D5185(m)	4	4	---
Potassium	ppm	ASTM D5185(m) >20	0	2	---

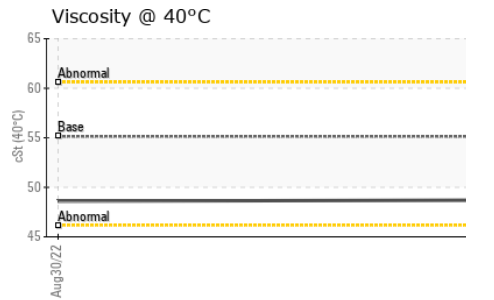
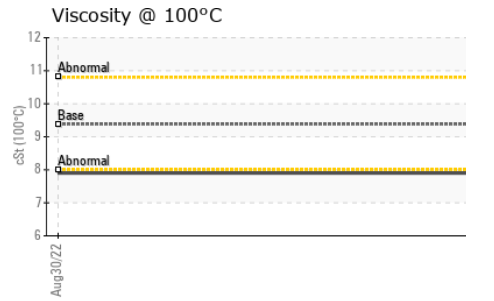
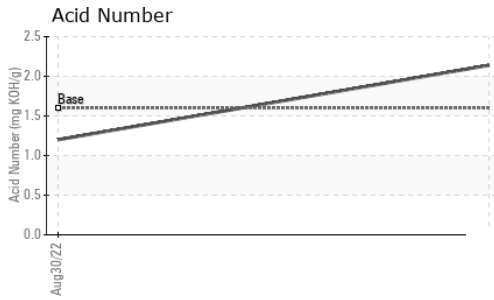
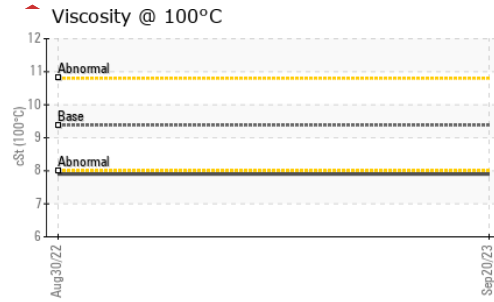
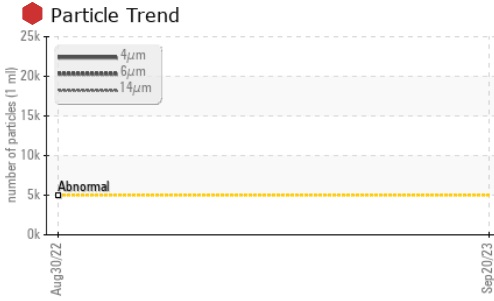
FLUID CLEANLINESS

method	limit/base	current	history1	history2	
Particles >4µm	ASTM D7647	>5000	▲ 24332	---	---
Particles >6µm	ASTM D7647	>1300	● 10343	---	---
Particles >14µm	ASTM D7647	>160	▲ 1176	---	---
Particles >21µm	ASTM D7647	>40	● 327	---	---
Particles >38µm	ASTM D7647	>10	7	---	---
Particles >71µm	ASTM D7647	>3	1	---	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	● 22/21/17	---	---

FLUID DEGRADATION

method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D974* 1.6	2.14	1.20	---

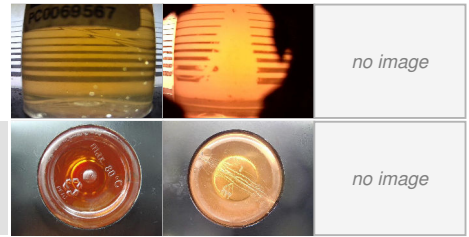
OIL ANALYSIS REPORT



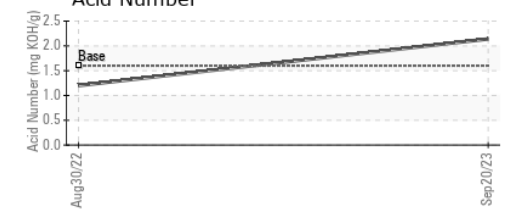
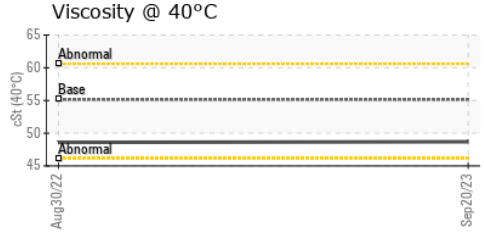
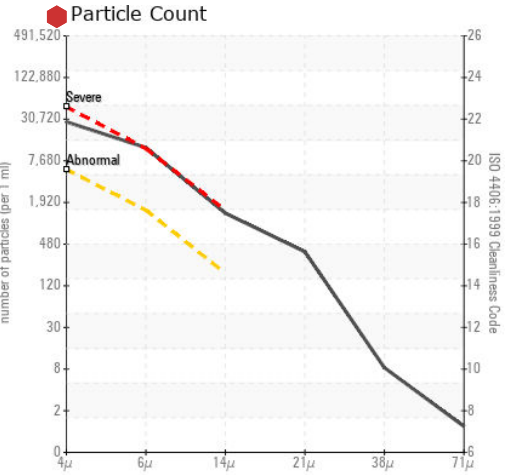
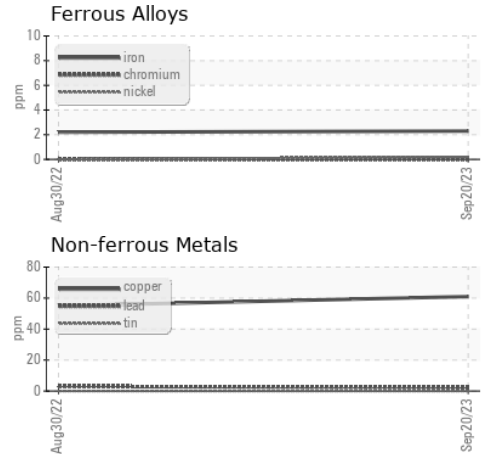
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	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	48.7	48.6
Visc @ 100°C	cSt	ASTM D7279(m)	9.38	7.9	7.9
Viscosity Index (VI)	Scale	ASTM D2270*	153	131	131

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0069567 **Received** : 22 Sep 2023
Lab Number : 02584682 **Diagnosed** : 25 Sep 2023
Unique Number : 5645747 **Diagnostician** : Wes Davis
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.