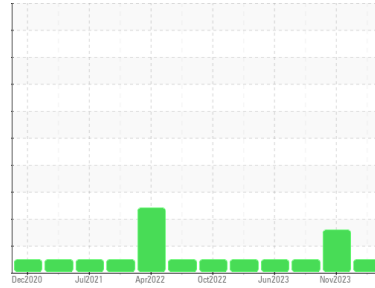


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**2026870**

Component  
**Rear Differential**  
Fluid

**PETRO CANADA TRAXON SYNTHETIC 75W90 (--- QTS)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

The condition of the oil is acceptable for the time in service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PCA0116182</b>	PCA0109361	PCA0104352
Sample Date	Client Info		<b>23 Jan 2024</b>	01 Nov 2023	22 Aug 2023
Machine Age	mls	Client Info	<b>373294</b>	0	329701
Oil Age	mls	Client Info	<b>373294</b>	0	329701
Oil Changed	Client Info		<b>Not Chngd</b>	Not Chngd	Not Chngd
Sample Status			<b>NORMAL</b>	ABNORMAL	NORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>.2	<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	<b>168</b>	▲ 775	148
Chromium	ppm	ASTM D5185m >10	<b>1</b>	6	1
Nickel	ppm	ASTM D5185m >10	<b>5</b>	7	5
Titanium	ppm	ASTM D5185m	<b>0</b>	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>2</b>	2	2
Lead	ppm	ASTM D5185m >25	<b>0</b>	4	0
Copper	ppm	ASTM D5185m >100	<b>2</b>	▲ 101	2
Tin	ppm	ASTM D5185m >10	<b>&lt;1</b>	3	0
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	<1
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 328	<b>260</b>	164	257
Barium	ppm	ASTM D5185m 1	<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185m	<b>0</b>	<1	3
Manganese	ppm	ASTM D5185m	<b>9</b>	21	8
Magnesium	ppm	ASTM D5185m 1	<b>0</b>	0	9
Calcium	ppm	ASTM D5185m 7	<b>76</b>	9	100
Phosphorus	ppm	ASTM D5185m 1145	<b>1333</b>	1376	1322
Zinc	ppm	ASTM D5185m 3	<b>27</b>	11	66
Sulfur	ppm	ASTM D5185m 17909	<b>24308</b>	21977	22542

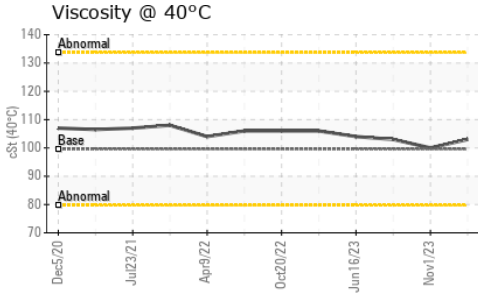
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	<b>27</b>	57	26
Sodium	ppm	ASTM D5185m	<b>6</b>	11	6
Potassium	ppm	ASTM D5185m >20	<b>&lt;1</b>	0	0

## VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	LIGHT	NONE
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual NONE	<b>LIGHT</b>	NONE	LIGHT
Sand/Dirt	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual >.2	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual	<b>NEG</b>	NEG	NEG

# OIL ANALYSIS REPORT



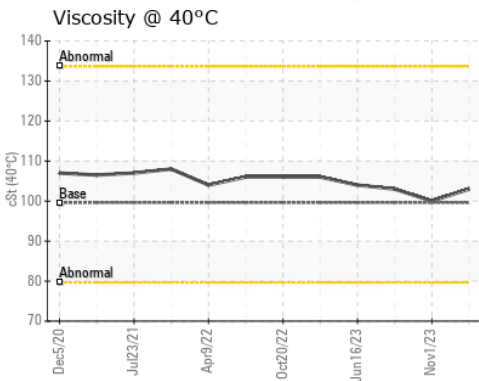
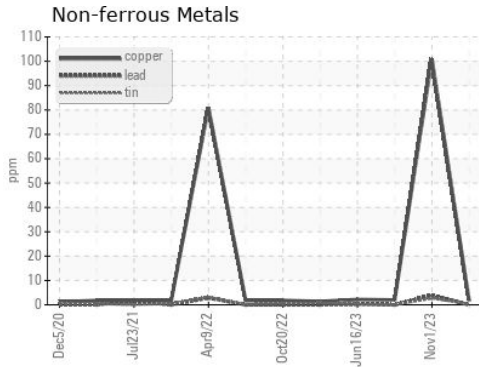
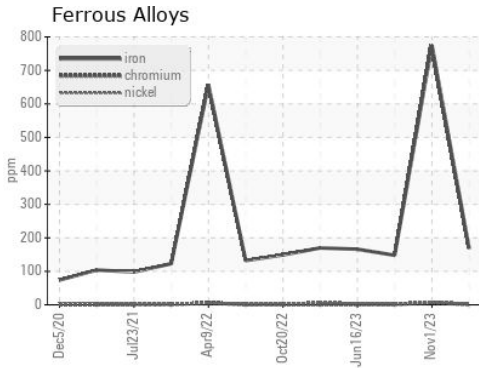
### FLUID PROPERTIES

method	limit/base	current	history1	history2	
Visc @ 40°C	cSt ASTM D445	99.6	<b>103</b>	100	103

### SAMPLE IMAGES

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

### GRAPHS



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PCA0116182      **Received** : 14 Mar 2024  
**Lab Number** : **06118638**      **Tested** : 15 Mar 2024  
**Unique Number** : 10927471      **Diagnosed** : 15 Mar 2024 - Wes Davis  
**Test Package** : FLEET

**PERDUE FARMS - GEORGETOWN**  
 20621 SAVANAH RD  
 GEORGETOWN, DE  
 US 19947  
 Contact: ROBERT LOCKWOOD  
 Robert.Lockwood@Perdue.com

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)

T:  
F: