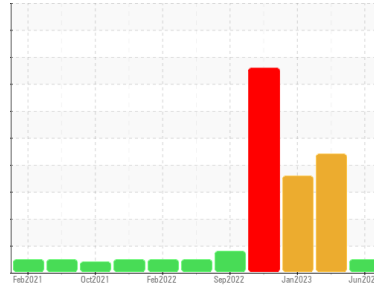


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**1926737**

Component  
**Rear Differential**

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

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

The water content is negligible. 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>PCA0099923</b>	PCA0095201	PCA0091085	
Sample Date	Client Info	<b>05 Jun 2023</b>	26 Mar 2023	22 Jan 2023	
Machine Age	mls	Client Info	<b>333131</b>	313219	294563
Oil Age	mls	Client Info	<b>333131</b>	313219	294563
Oil Changed	Client Info	<b>Not Chngd</b>	Not Chngd	Not Chngd	
Sample Status		<b>NORMAL</b>	ABNORMAL	ABNORMAL	

## WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >500	<b>160</b>	▲ 521	455
Chromium	ppm	ASTM D5185m >10	<b>1</b>	5	4
Nickel	ppm	ASTM D5185m >10	<b>9</b>	▲ 27	▲ 27
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	<1
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>1</b>	10	9
Lead	ppm	ASTM D5185m >25	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m >100	<b>2</b>	6	6
Tin	ppm	ASTM D5185m >10	<b>0</b>	1	0
Vanadium	ppm	ASTM D5185m	<b>0</b>	<1	<1
Cadmium	ppm	ASTM D5185m	<b>0</b>	<1	<1

## ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m 328	<b>368</b>	229	265
Barium	ppm	ASTM D5185m 1	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>&lt;1</b>	1	1
Manganese	ppm	ASTM D5185m	<b>4</b>	15	14
Magnesium	ppm	ASTM D5185m 1	<b>&lt;1</b>	13	15
Calcium	ppm	ASTM D5185m 7	<b>5</b>	20	25
Phosphorus	ppm	ASTM D5185m 1145	<b>1351</b>	1447	1372
Zinc	ppm	ASTM D5185m 3	<b>17</b>	33	40
Sulfur	ppm	ASTM D5185m 17909	<b>26270</b>	30092	24704

## CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >75	<b>12</b>	40	36
Sodium	ppm	ASTM D5185m	<b>2</b>	9	10
Potassium	ppm	ASTM D5185m >20	<b>&lt;1</b>	3	3

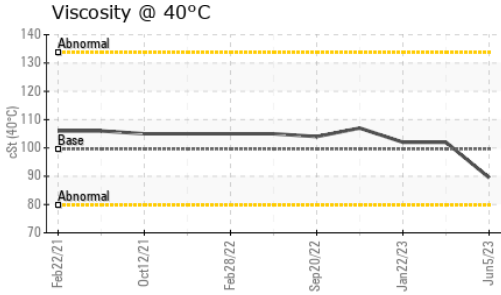
## VISUAL

method	limit/base	current	history1	history2	
White Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	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>NONE</b>	▲ MODER	▲ MODER
Sand/Dirt	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual NORML	<b>NORML</b>	▲ HAZY	▲ MILKY
Odor	scalar	*Visual NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual >.2	<b>NEG</b>	▲ 0.2%	▲ 0.2%
Free Water	scalar	*Visual	<b>NEG</b>	NEG	NEG

## FLUID PROPERTIES

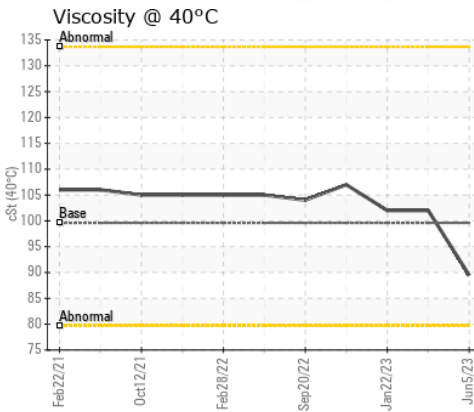
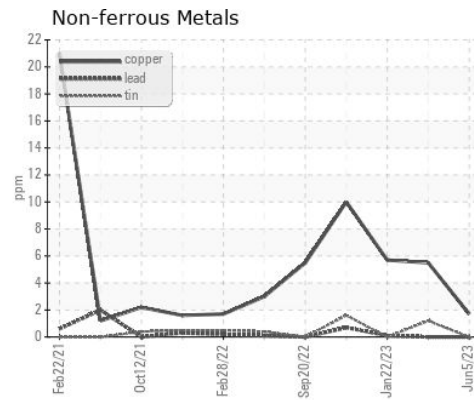
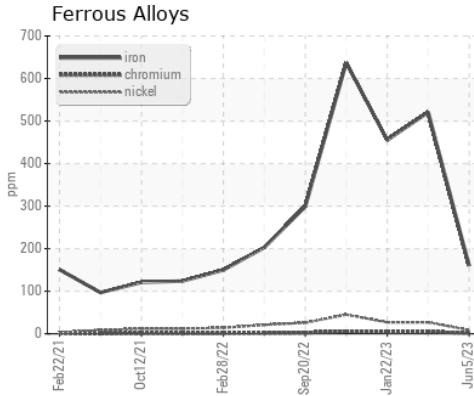
method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445 99.6	<b>89.5</b>	102	102

# OIL ANALYSIS REPORT



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.** : PCA0099923 **Received** : 22 Aug 2023  
**Lab Number** : **05931079** **Diagnosed** : 23 Aug 2023  
**Unique Number** : 10616350 **Diagnostician** : Don Baldrige  
**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: