

# OIL ANALYSIS REPORT

Sample Rating Trend

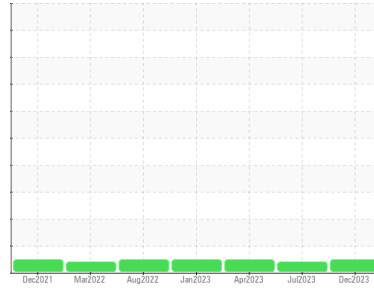
**NORMAL**



Machine Id  
**1926733**

Component  
**Front Differential**  
Fluid

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



## 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>PCA0114119</b>	PCA0102163	PCA0097030
Sample Date	Client Info			<b>29 Dec 2023</b>	26 Jul 2023	23 Apr 2023
Machine Age	mls	Client Info		<b>307669</b>	268913	247460
Oil Age	mls	Client Info		<b>0</b>	268913	247460
Oil Changed	Client Info			<b>N/A</b>	Not Changd	Not Changd
Sample Status				<b>NORMAL</b>	ABNORMAL	NORMAL

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

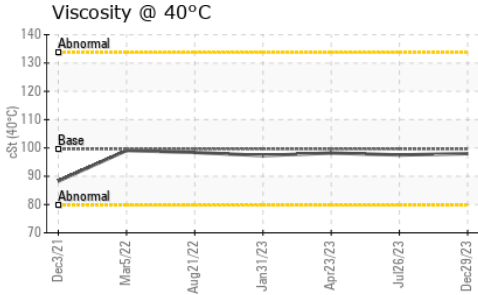
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>500	<b>184</b>	187	164
Chromium	ppm	ASTM D5185m	>10	<b>1</b>	2	1
Nickel	ppm	ASTM D5185m	>10	<b>4</b>	4	3
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>1</b>	<1	2
Lead	ppm	ASTM D5185m	>25	<b>1</b>	2	1
Copper	ppm	ASTM D5185m	>100	<b>29</b>	29	27
Tin	ppm	ASTM D5185m	>10	<b>2</b>	2	1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	328	<b>268</b>	317	286
Barium	ppm	ASTM D5185m	1	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185m		<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>12</b>	12	12
Magnesium	ppm	ASTM D5185m	1	<b>0</b>	0	2
Calcium	ppm	ASTM D5185m	7	<b>0</b>	7	10
Phosphorus	ppm	ASTM D5185m	1145	<b>1356</b>	1380	1311
Zinc	ppm	ASTM D5185m	3	<b>0</b>	20	10
Sulfur	ppm	ASTM D5185m	17909	<b>24443</b>	24836	25762

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	<b>24</b>	23	19
Sodium	ppm	ASTM D5185m		<b>10</b>	10	10
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	1	2

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	NONE
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

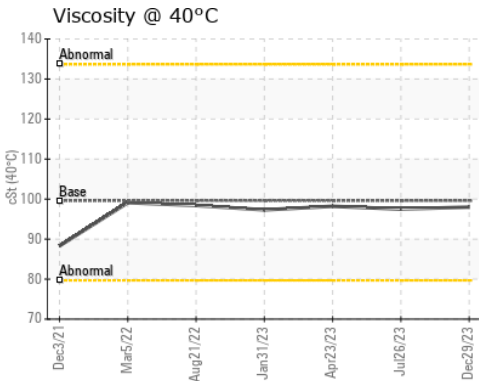
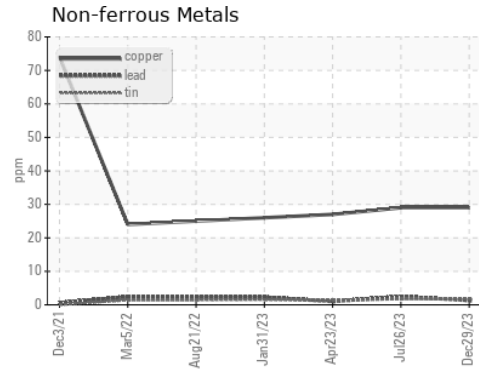
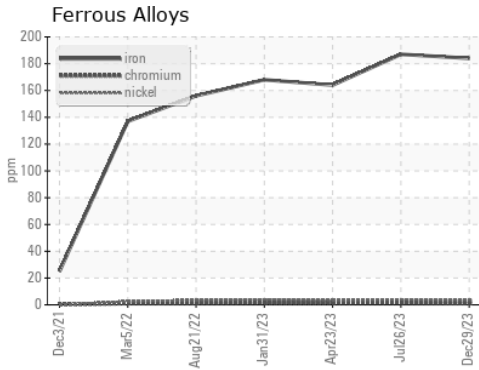


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	99.6	<b>98.0</b>	97.5	98.2

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.** : PCA0114119  
**Lab Number** : 06118679  
**Unique Number** : 10927512  
**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: