

# OIL ANALYSIS REPORT

Sample Rating Trend

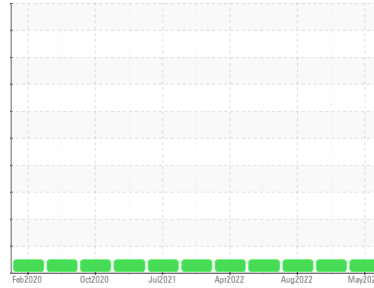
**NORMAL**



Machine Id  
**1926723**

Component  
**Front Differential**

Fluid  
**PETRO CANADA TRAXON E SYNTHETIC 75W-90 (--- QTS)**



## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### 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>PCA0099332</b>	PCA0090084	PCA0079886
Sample Date	Client Info		<b>16 May 2023</b>	23 Jan 2023	29 Aug 2022
Machine Age	mls	Client Info	<b>341556</b>	332984	275500
Oil Age	mls	Client Info	<b>341556</b>	332984	275500
Oil Changed	Client Info		<b>Not Changed</b>	Not Changd	Not Changed
Sample Status			<b>NORMAL</b>	NORMAL	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>378</b>	374	138
Chromium	ppm	ASTM D5185m >10	<b>3</b>	3	<1
Nickel	ppm	ASTM D5185m >10	<b>5</b>	5	10
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>2</b>	3	3
Lead	ppm	ASTM D5185m >25	<b>2</b>	3	0
Copper	ppm	ASTM D5185m >100	<b>57</b>	60	3
Tin	ppm	ASTM D5185m >10	<b>3</b>	3	<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 229	<b>129</b>	218	298
Barium	ppm	ASTM D5185m <1	<b>1</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185m	<b>13</b>	12	9
Magnesium	ppm	ASTM D5185m <1	<b>2</b>	1	0
Calcium	ppm	ASTM D5185m	<b>11</b>	11	8
Phosphorus	ppm	ASTM D5185m 1355	<b>1315</b>	1293	1275
Zinc	ppm	ASTM D5185m	<b>17</b>	20	8
Sulfur	ppm	ASTM D5185m 22698	<b>21487</b>	20741	25056

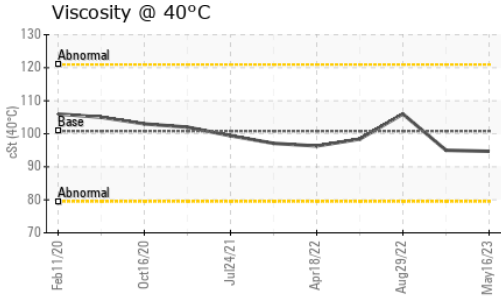
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	<b>42</b>	38	34
Sodium	ppm	ASTM D5185m	<b>9</b>	10	8
Potassium	ppm	ASTM D5185m >20	<b>2</b>	1	0

## 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>	NONE	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

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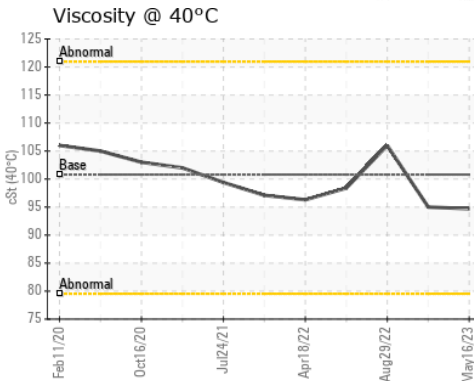
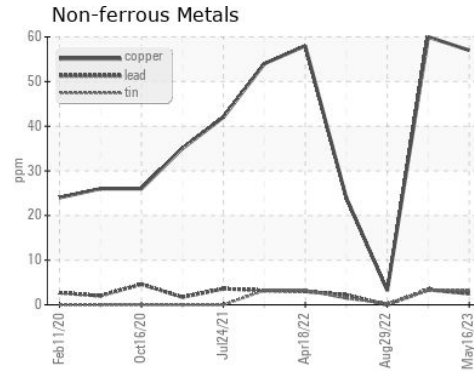
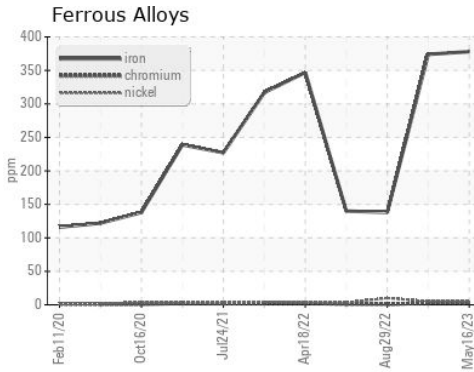


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	100.8	<b>94.7</b>	95.0	106

SAMPLE IMAGES		method	limit/base	current	history1	history2
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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.** : PCA0099332  
**Lab Number** : 06031019  
**Unique Number** : 10780810  
**Test Package** : FLEET

**Received** : 11 Dec 2023  
**Diagnosed** : 14 Dec 2023  
**Diagnostician** : Don Baldrige

**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: