



# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**CAPLAN**  
 Machine Id  
**913136**  
 Component  
**Rear Rear Differential**  
 Fluid  
**PETRO CANADA TRAXON E SYNTHETIC 75W-90 (15 LTR)**

## DIAGNOSIS

### Recommendation

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

### Wear

Les taux d'usure de tous les composants sont normaux.

### Contamination

Il n'y a aucun indice de contamination dans l'huile.

### Fluid Condition

L'état de l'huile est acceptable pour la durée de service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>GFL0091126</b>	---	---
Sample Date	Client Info		<b>18 Dec 2023</b>	---	---
Machine Age	hrs	Client Info	<b>2006</b>	---	---
Oil Age	hrs	Client Info	<b>2006</b>	---	---
Oil Changed	Client Info		<b>N/A</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

## CONTAMINATION

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

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >1200	<b>154</b>	---	---
Chromium	ppm	ASTM D5185(m) >8	<b>2</b>	---	---
Nickel	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185(m) >4	<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Aluminum	ppm	ASTM D5185(m) >30	<b>1</b>	---	---
Lead	ppm	ASTM D5185(m) >25	<b>0</b>	---	---
Copper	ppm	ASTM D5185(m) >50	<b>1</b>	---	---
Tin	ppm	ASTM D5185(m) >5	<b>0</b>	---	---
Antimony	ppm	ASTM D5185(m) >5	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	---	---

## ADDITIVES

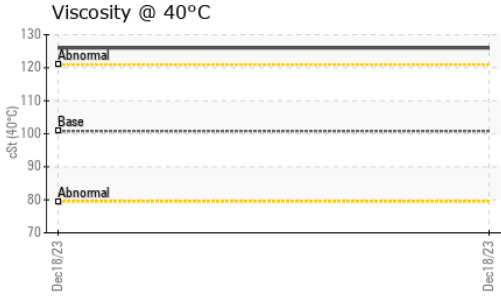
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 229	<b>250</b>	---	---
Barium	ppm	ASTM D5185(m) <1	<b>&lt;1</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	<b>0</b>	---	---
Manganese	ppm	ASTM D5185(m)	<b>8</b>	---	---
Magnesium	ppm	ASTM D5185(m) <1	<b>2</b>	---	---
Calcium	ppm	ASTM D5185(m)	<b>17</b>	---	---
Phosphorus	ppm	ASTM D5185(m) 1355	<b>1041</b>	---	---
Zinc	ppm	ASTM D5185(m)	<b>16</b>	---	---
Sulfur	ppm	ASTM D5185(m) 22698	<b>19976</b>	---	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >230	<b>20</b>	---	---
Sodium	ppm	ASTM D5185(m)	<b>7</b>	---	---
Potassium	ppm	ASTM D5185(m) >20	<b>2</b>	---	---



# OIL ANALYSIS REPORT



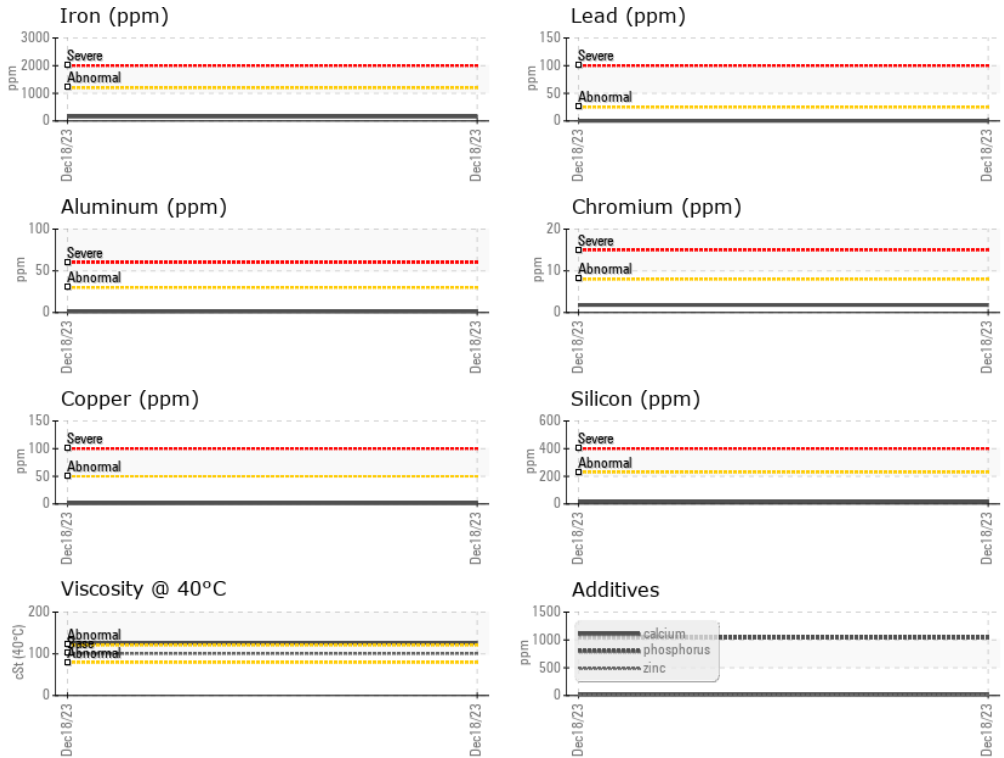
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	---	---
Precipitate	scalar	Visual*	NONE	---	---
Silt	scalar	Visual*	NONE	---	---
Debris	scalar	Visual*	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	---	---
Appearance	scalar	Visual*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

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D7279(m)	100.8	<b>126</b>	---	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------

Color				no image	no image
Bottom				no image	no image

### GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0091126      **Received** : 21 Dec 2023  
**Lab Number** : **02604730**      **Diagnosed** : 21 Dec 2023  
**Unique Number** : 5697815      **Diagnostician** : Wes Davis  
**Test Package** : MOB 1

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.

**Matrec - 791 - Rimouski**  
 350 Avenue de L'Industrie  
 Rimouski, QC  
 CA G5M 1W4  
 Contact: Vincent Maltais  
 info@foretsstar.com  
 T: 4(18)388-2626  
 F: (418)388-2038