



# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**#813091**  
 Component  
**Rear Rear Differential**  
 Fluid  
**PETRO CANADA TRAXON SYNTHETIC 75W90 (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>GFL0079093</b>	---	---
Sample Date	Client Info		<b>13 Dec 2023</b>	---	---
Machine Age	hrs	Client Info	<b>2821</b>	---	---
Oil Age	hrs	Client Info	<b>2821</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) >500	<b>175</b>	---	---
Chromium	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	---	---
Titanium	ppm	ASTM D5185(m)	<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Aluminum	ppm	ASTM D5185(m) >25	<b>2</b>	---	---
Lead	ppm	ASTM D5185(m) >25	<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185(m) >100	<b>2</b>	---	---
Tin	ppm	ASTM D5185(m) >10	<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

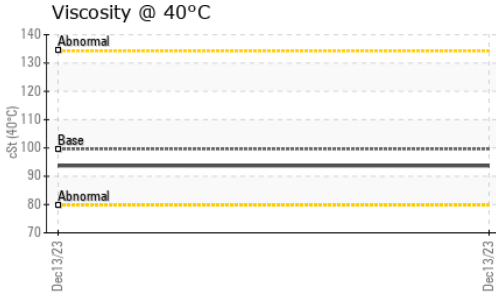
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 328	<b>240</b>	---	---
Barium	ppm	ASTM D5185(m) 1	<b>2</b>	---	---
Molybdenum	ppm	ASTM D5185(m)	<b>0</b>	---	---
Manganese	ppm	ASTM D5185(m)	<b>10</b>	---	---
Magnesium	ppm	ASTM D5185(m) 1	<b>3</b>	---	---
Calcium	ppm	ASTM D5185(m) 7	<b>26</b>	---	---
Phosphorus	ppm	ASTM D5185(m) 1145	<b>1414</b>	---	---
Zinc	ppm	ASTM D5185(m) 3	<b>17</b>	---	---
Sulfur	ppm	ASTM D5185(m) 17909	<b>23537</b>	---	---
Lithium	ppm	ASTM D5185(m)	<b>1</b>	---	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >75	<b>20</b>	---	---
Sodium	ppm	ASTM D5185(m)	<b>7</b>	---	---
Potassium	ppm	ASTM D5185(m) >20	<b>2</b>	---	---



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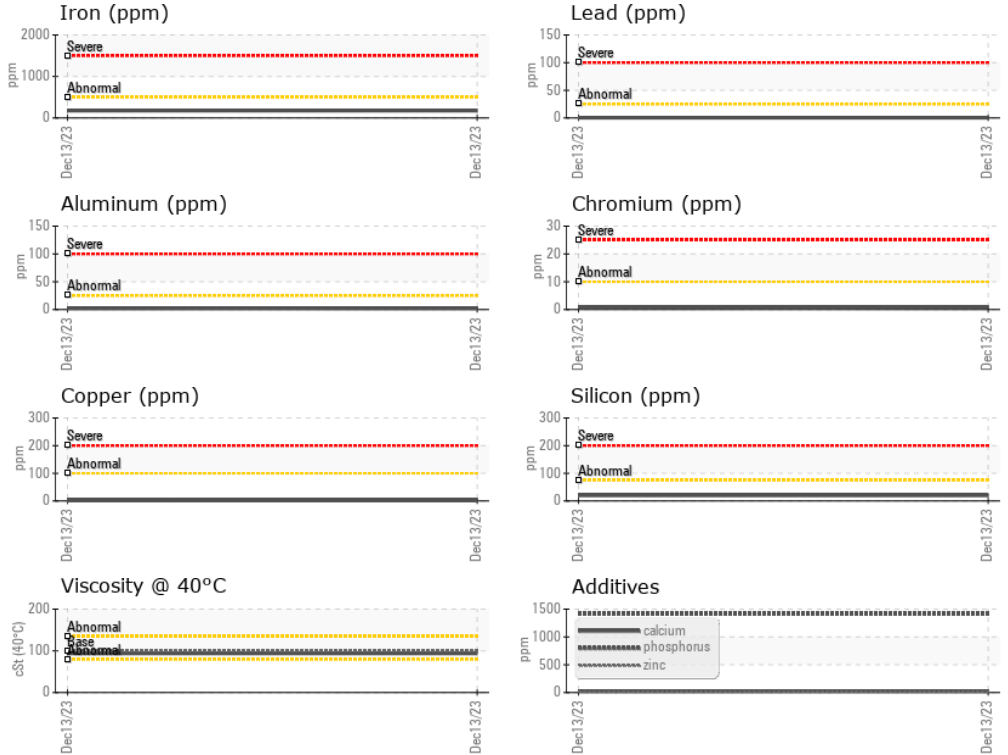
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	93.7	---

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

GRAPHS
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**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0079093      **Received** : 18 Dec 2023  
**Lab Number** : 02603919      **Diagnosed** : 18 Dec 2023  
**Unique Number** : 5697004      **Diagnostician** : Wes Davis  
**Test Package** : MOB 1

**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

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.