



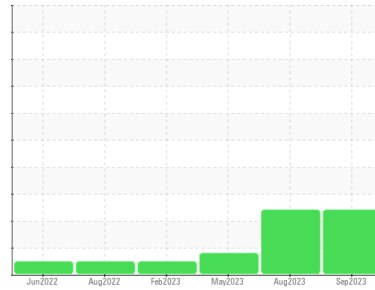
# OIL ANALYSIS REPORT

## Sample Rating Trend

**DIRT**



Machine Id  
**811032**  
 Component  
**1 Differential**  
 Fluid  
**PETRO CANADA TRAXON SYNTHETIC 75W90 (--- GAL)**



### DIAGNOSIS

#### ▲ Recommendation

Il s'agit du relevé de base de l'échantillon soumis.

#### ▲ Wear

Le taux de cuivre est anormal.

#### ▲ Contamination

L'échantillon reçu était insuffisant pour effectuer tous les tests de laboratoire habituels.

#### Fluid Condition

L'état de l'huile est acceptable pour la durée de service (non confirmée).

### SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC</b>	GFL0089664	GFL0078355
Sample Date	Client Info		<b>26 Sep 2023</b>	22 Aug 2023	29 May 2023
Machine Age	hrs	Client Info	<b>6031</b>	5730	5157
Oil Age	hrs	Client Info	<b>0</b>	5157	5157
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>ABNORMAL</b>	ABNORMAL	ATTENTION

### WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >500	<b>256</b>	231	245
Chromium	ppm	ASTM D5185(m) >10	<b>2</b>	2	2
Nickel	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)	<b>0</b>	<1	<1
Silver	ppm	ASTM D5185(m)	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185(m) >25	<b>4</b>	3	5
Lead	ppm	ASTM D5185(m) >25	<b>4</b>	4	3
Copper	ppm	ASTM D5185(m) >100	<b>▲ 159</b>	▲ 159	▲ 113
Tin	ppm	ASTM D5185(m) >10	<b>2</b>	2	2
Antimony	ppm	ASTM D5185(m) >5	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	0	0

### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 328	<b>146</b>	203	202
Barium	ppm	ASTM D5185(m) 1	<b>6</b>	4	6
Molybdenum	ppm	ASTM D5185(m)	<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185(m)	<b>22</b>	22	21
Magnesium	ppm	ASTM D5185(m) 1	<b>3</b>	3	3
Calcium	ppm	ASTM D5185(m) 7	<b>11</b>	10	8
Phosphorus	ppm	ASTM D5185(m) 1145	<b>1340</b>	1475	1501
Zinc	ppm	ASTM D5185(m) 3	<b>25</b>	26	23
Sulfur	ppm	ASTM D5185(m) 17909	<b>22083</b>	22731	23486
Lithium	ppm	ASTM D5185(m)	<b>1</b>	2	1

### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >75	<b>▲ 109</b>	▲ 102	71
Sodium	ppm	ASTM D5185(m)	<b>12</b>	11	12
Potassium	ppm	ASTM D5185(m) >20	<b>4</b>	3	3

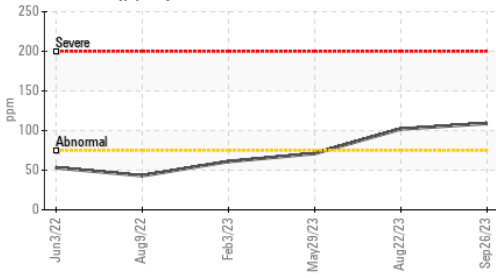
### VISUAL

	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	<b>LIGHT</b>	NONE	VLITE
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



# OIL ANALYSIS REPORT

## ▲ Silicon (ppm)



## SAMPLE IMAGES

Color

Bottom

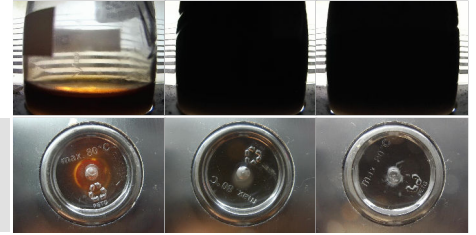
method

limit/base

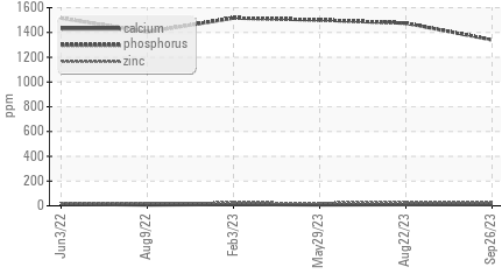
current

history1

history2

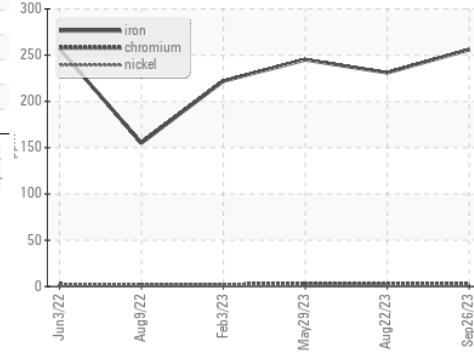


## Additives

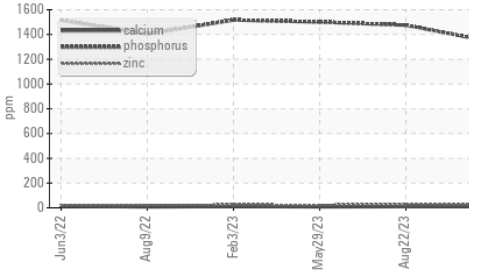


## GRAPHS

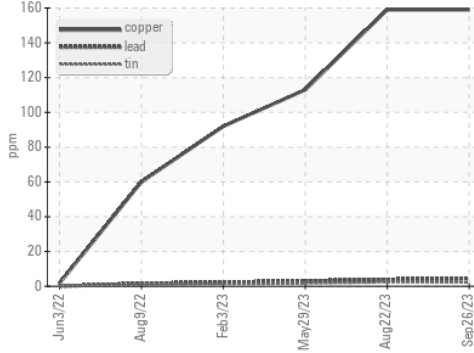
### Ferrous Alloys



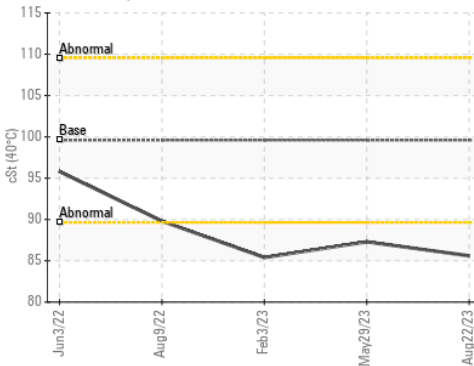
## Additives



### ▲ Non-ferrous Metals



### Viscosity @ 40°C



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 732 - Beauce - Hauling - Solid Waste  
**Sample No.** : WC  
**Lab Number** : 02588783  
**Unique Number** : 5657849  
**Test Package** : TEST ( Additional Tests: ICP )

**Received** : 12 Oct 2023  
**Diagnosed** : 16 Oct 2023  
**Diagnostician** : Kevin Marson

139, 181 Street,  
Beauceville, QC  
CA G5X 2S9  
Contact: Sandrine Duval  
sduval@matrec.ca  
T: (418)774-5275  
F: (418)774-5292

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.