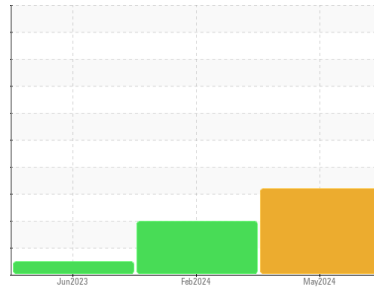




# OIL ANALYSIS REPORT

Machine Id  
**EX0356**  
 Component  
**Center Swing Drive**  
 Fluid  
**PETRO CANADA TRAXON XL SYN BLEND 80W140 (7 LTR)**

Sample Rating Trend



**WATER**



## DIAGNOSIS

### ▲ Recommendation

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. ( Customer Sample Comment: Might contain 85W140 )

### ▲ Wear

Iron ppm levels are abnormal. A sharp increase in the iron level is noted. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion.

### ▲ Contamination

There is a moderate concentration of water present in the oil.

### Fluid Condition

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>GFL0113434</b>	GFL0092328	GFL0056445
Sample Date	Client Info	<b>22 May 2024</b>	09 Feb 2024	08 Jun 2023
Machine Age	hrs	<b>5728</b>	5123	3797
Oil Age	hrs	<b>1500</b>	1326	2000
Oil Changed	Client Info	<b>Not Chngd</b>	Not Chngd	Changed
Sample Status		<b>ABNORMAL</b>	ABNORMAL	NORMAL

## WEAR METALS

method	limit/base	current	history1	history2	
PQ	ASTM D8184*	<b>26</b>	---	---	
Iron	ppm	ASTM D5185(m) >400	<b>▲ 607</b>	18	247
Chromium	ppm	ASTM D5185(m) >10	<b>6</b>	0	3
Nickel	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m) >25	<b>&lt;1</b>	<1	<1
Lead	ppm	ASTM D5185(m) >50	<b>&lt;1</b>	0	<1
Copper	ppm	ASTM D5185(m) >200	<b>44</b>	1	7
Tin	ppm	ASTM D5185(m) >10	<b>0</b>	0	0
Antimony	ppm	ASTM D5185(m) >5	<b>&lt;1</b>	0	2
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

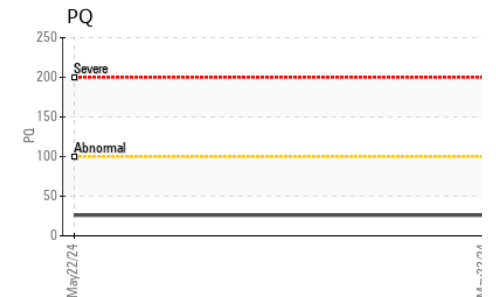
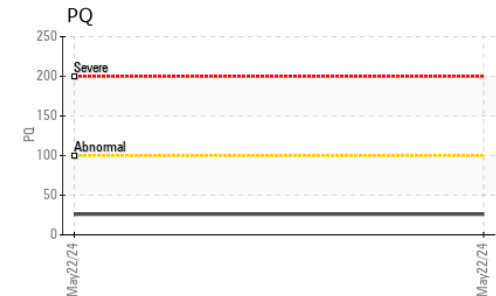
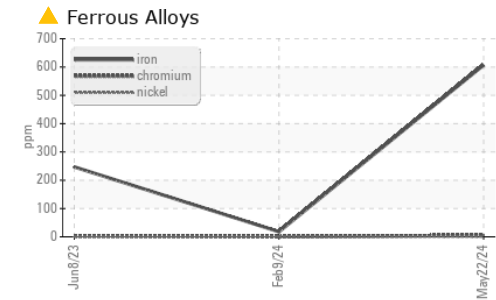
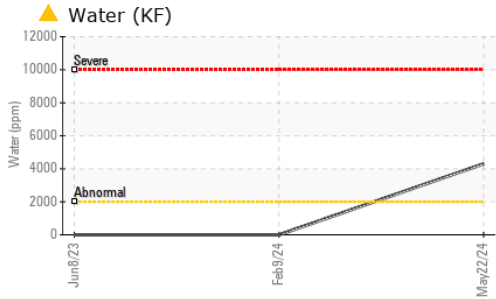
method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m) 246	<b>144</b>	2	198
Barium	ppm	ASTM D5185(m) 1	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	<b>0</b>	0	<1
Manganese	ppm	ASTM D5185(m)	<b>7</b>	0	3
Magnesium	ppm	ASTM D5185(m) 1	<b>&lt;1</b>	4	<1
Calcium	ppm	ASTM D5185(m) 2	<b>6</b>	9	0
Phosphorus	ppm	ASTM D5185(m) 976	<b>1016</b>	259	1248
Zinc	ppm	ASTM D5185(m) 3	<b>41</b>	165	6
Sulfur	ppm	ASTM D5185(m) 15600	<b>19428</b>	6726	22573
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1

## CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m) >50	<b>13</b>	2	10
Sodium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	0
Potassium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	1	0
Water	%	ASTM D6304* >0.2	<b>▲ 0.430</b>	---	---
ppm Water	ppm	ASTM D6304* >2000	<b>▲ 4303</b>	---	---



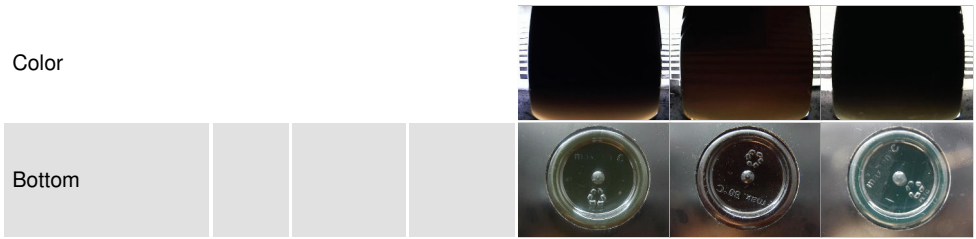
# OIL ANALYSIS REPORT



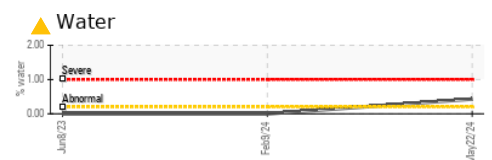
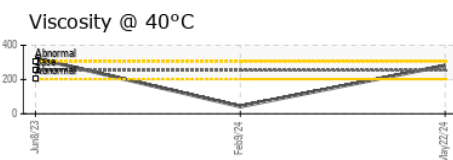
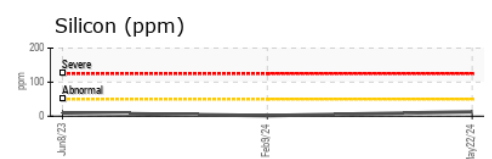
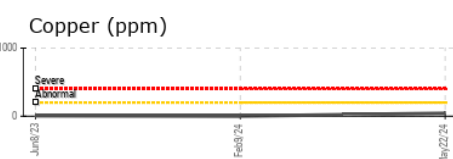
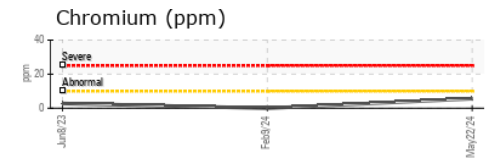
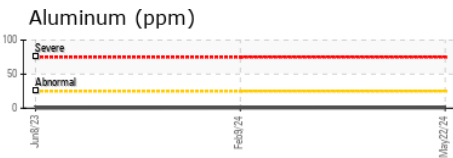
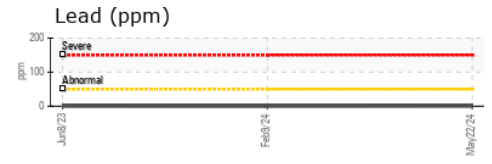
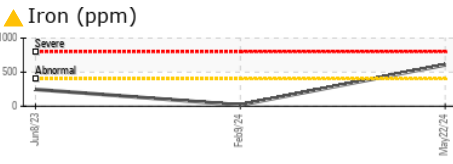
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	253.0	282	42.3

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **GFL Environmental - 720 - Lafleche - Landfill**  
**Sample No.** : GFL0113434 **Received** : 23 May 2024 **17125 Lafleche Road,**  
**Lab Number** : 02637243 **Tested** : 24 May 2024 **Moose Creek, ON**  
**Unique Number** : 5786405 **Diagnosed** : 24 May 2024 - Kevin Marson **CA K0C 1W0**  
**Test Package** : MOB 1 ( Additional Tests: KF, PQ ) **Contact: Charles Bergeron**  
**To discuss this sample report, contact Customer Service at 1-800-268-2131.** **cbergeron@gflenv.com**  
**Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.** **T: (613)538-4853**  
**Validity of results and interpretation are based on the sample and information as supplied.** **F:**