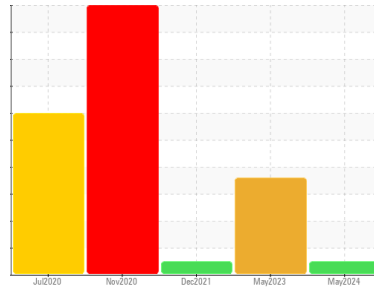




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**OR342**  
 Component  
**Left Final Drive**  
 Fluid  
**PETRO CANADA TRAXON XL SYN BLEND 80W140 (12 LTR)**

## DIAGNOSIS

### Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. ( Customer Sample Comment: Top Up Amount: 2 )

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

Additive levels indicate the addition of a different brand, or type of oil. 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>GFL0113395</b>	GFL0056401	GFL0030493
Sample Date	Client Info		<b>22 May 2024</b>	31 May 2023	02 Dec 2021
Machine Age	hrs	Client Info	<b>19943</b>	19943	17348
Oil Age	hrs	Client Info	<b>19943</b>	1000	1000
Oil Changed	Client Info		<b>Oil Added</b>	Changed	Changed
Sample Status			<b>NORMAL</b>	ABNORMAL	NORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>800	<b>55</b>	672	179
Chromium	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	▲ 12	3
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	9	<1
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185(m)	>75	<b>3</b>	● 169	16
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>75	<b>&lt;1</b>	3	1
Tin	ppm	ASTM D5185(m)	>8	<b>0</b>	0	0
Antimony	ppm	ASTM D5185(m)	>50	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	1	<1
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## ADDITIVES

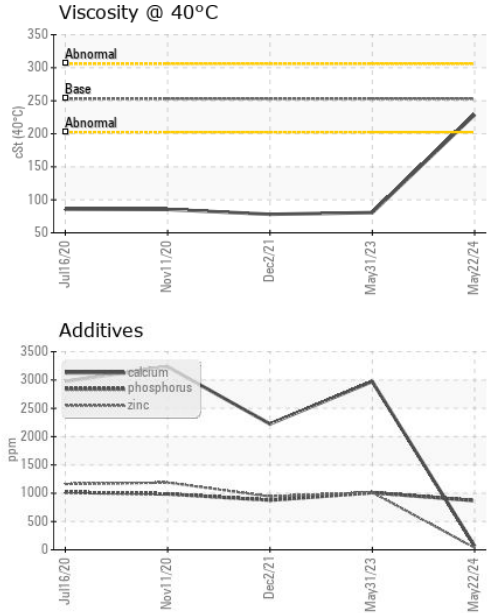
	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)	246	<b>199</b>	21	25
Barium	ppm	ASTM D5185(m)	1	<b>&lt;1</b>	<1	0
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	10	4
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	8	2
Magnesium	ppm	ASTM D5185(m)	1	<b>3</b>	95	41
Calcium	ppm	ASTM D5185(m)	2	<b>67</b>	2973	2224
Phosphorus	ppm	ASTM D5185(m)	976	<b>869</b>	1010	876
Zinc	ppm	ASTM D5185(m)	3	<b>36</b>	1014	943
Sulfur	ppm	ASTM D5185(m)	15600	<b>14948</b>	4118	3337
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1

## CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>400	<b>14</b>	▲ 557	66
Sodium	ppm	ASTM D5185(m)		<b>2</b>	41	6
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	61	7



# OIL ANALYSIS REPORT

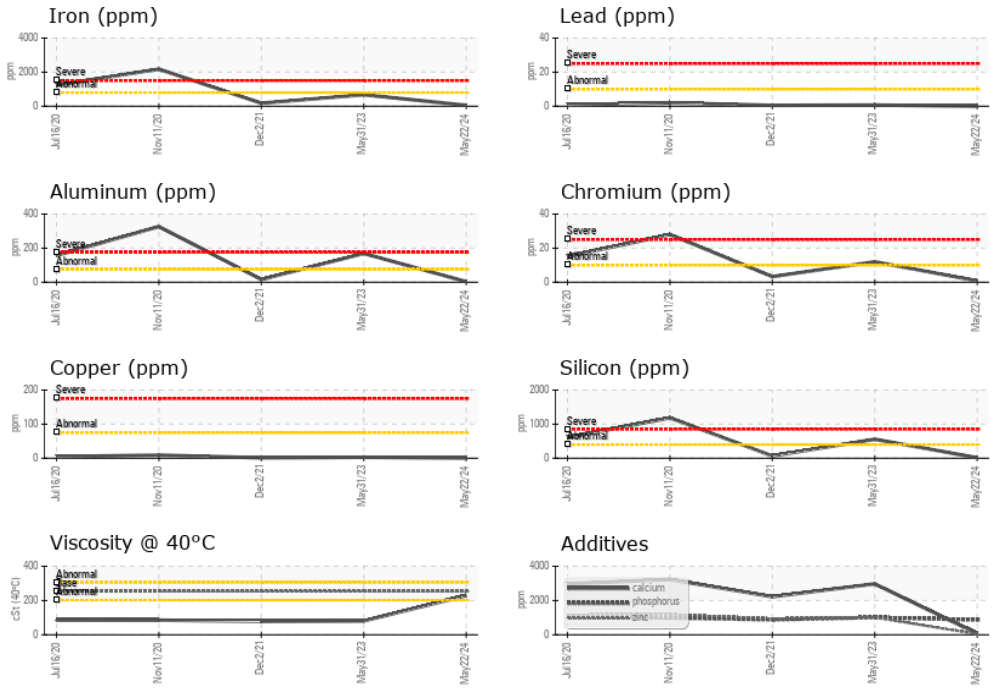


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	LIGHT
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	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	229	▲ 80.6	78.0

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **GFL Environmental - 720 - Lafleche - Landfill**  
**Sample No.** : GFL0113395 **Received** : 23 May 2024 **17125 Lafleche Road,**  
**Lab Number** : 02637261 **Tested** : 23 May 2024 **Moose Creek, ON**  
**Unique Number** : 5786423 **Diagnosed** : 23 May 2024 - Kevin Marson **CA K0C 1W0**  
**Test Package** : MOB 1 **Contact:** Charles Bergeron **cbergeron@gflenv.com**  
**T: (613)538-4853**  
**F:**

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.