

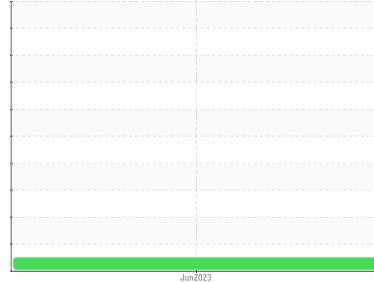
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**Scoop 6 Yard**  
Machine Id  
**LHD6105**  
Component  
**Rear Right Wheel Hub**  
Fluid  
**PETRO CANADA TRAXON 80W90 (4 LTR)**



## DIAGNOSIS

### Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.

### 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	history 1	history 2
Sample Number	Client Info	<b>PC0050468</b>	---	---
Sample Date	Client Info	<b>27 Jun 2023</b>	---	---
Machine Age	hrs Client Info	<b>1130</b>	---	---
Oil Age	hrs Client Info	<b>0</b>	---	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>NORMAL</b>	---	---

## WEAR METALS

method	limit/base	current	history 1	history 2
Iron ppm ASTM D5185(m)	>500	<b>22</b>	---	---
Chromium ppm ASTM D5185(m)	>8	<b>&lt;1</b>	---	---
Nickel ppm ASTM D5185(m)	>5	<b>&lt;1</b>	---	---
Titanium ppm ASTM D5185(m)		<b>0</b>	---	---
Silver ppm ASTM D5185(m)		<b>0</b>	---	---
Aluminum ppm ASTM D5185(m)	>5	<b>&lt;1</b>	---	---
Lead ppm ASTM D5185(m)	>5	<b>0</b>	---	---
Copper ppm ASTM D5185(m)	>50	<b>1</b>	---	---
Tin ppm ASTM D5185(m)		<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	history 1	history 2
Boron ppm ASTM D5185(m)	243	<b>44</b>	---	---
Barium ppm ASTM D5185(m)	1	<b>0</b>	---	---
Molybdenum ppm ASTM D5185(m)		<b>&lt;1</b>	---	---
Manganese ppm ASTM D5185(m)		<b>&lt;1</b>	---	---
Magnesium ppm ASTM D5185(m)	2	<b>3</b>	---	---
Calcium ppm ASTM D5185(m)	6	<b>13</b>	---	---
Phosphorus ppm ASTM D5185(m)	987	<b>691</b>	---	---
Zinc ppm ASTM D5185(m)	1	<b>5</b>	---	---
Sulfur ppm ASTM D5185(m)	21530	<b>21399</b>	---	---
Lithium ppm ASTM D5185(m)		<b>&lt;1</b>	---	---

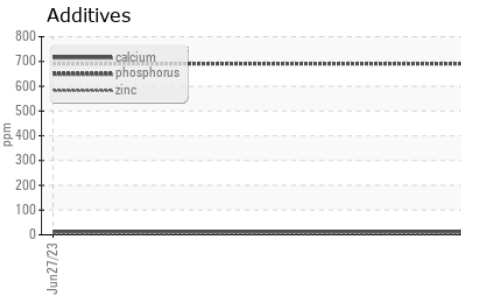
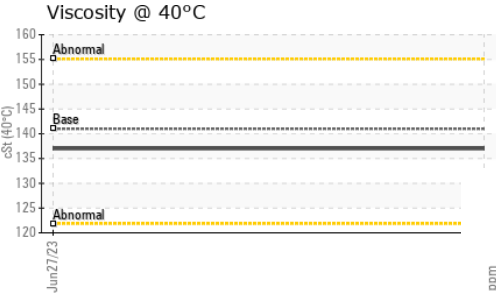
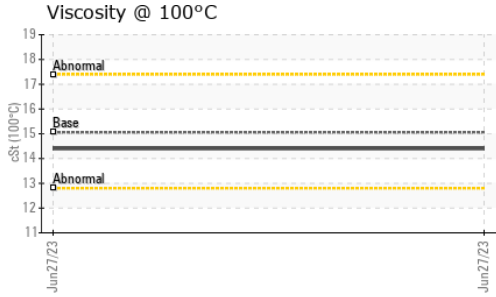
## CONTAMINANTS

method	limit/base	current	history 1	history 2
Silicon ppm ASTM D5185(m)	>25	<b>3</b>	---	---
Sodium ppm ASTM D5185(m)		<b>1</b>	---	---
Potassium ppm ASTM D5185(m)	>20	<b>&lt;1</b>	---	---

## VISUAL

method	limit/base	current	history 1	history 2
White Metal scalar Visual*	NONE	<b>NONE</b>	---	---
Yellow Metal scalar Visual*	NONE	<b>NONE</b>	---	---
Precipitate scalar Visual*	NONE	<b>NONE</b>	---	---
Silt scalar Visual*	NONE	<b>NONE</b>	---	---
Debris scalar Visual*	NONE	<b>NONE</b>	---	---
Sand/Dirt scalar Visual*	NONE	<b>NONE</b>	---	---
Appearance scalar Visual*	NORML	<b>NORML</b>	---	---
Odor scalar Visual*	NORML	<b>NORML</b>	---	---
Emulsified Water scalar Visual*	>0.2	<b>NEG</b>	---	---
Free Water scalar Visual*		<b>NEG</b>	---	---

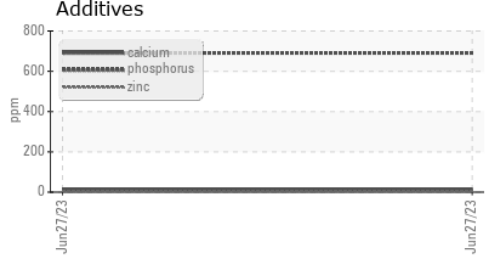
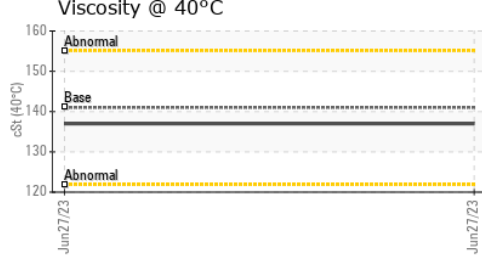
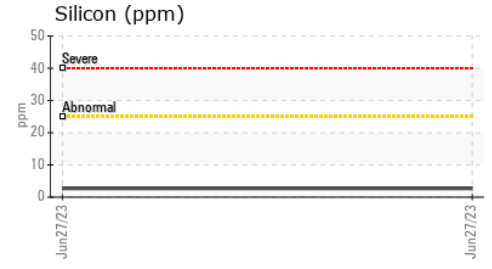
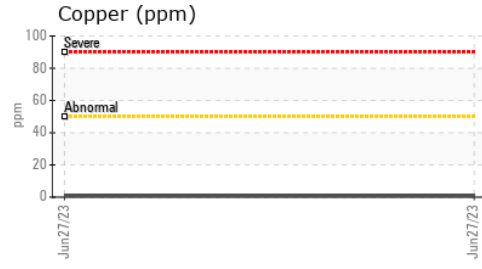
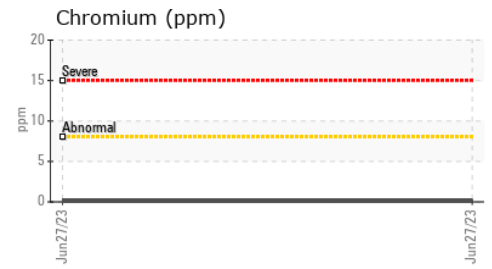
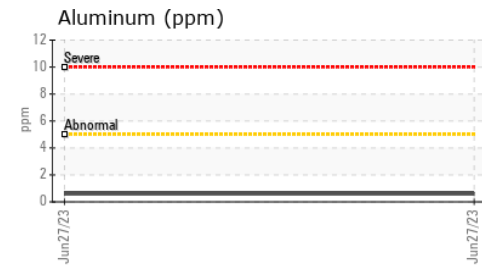
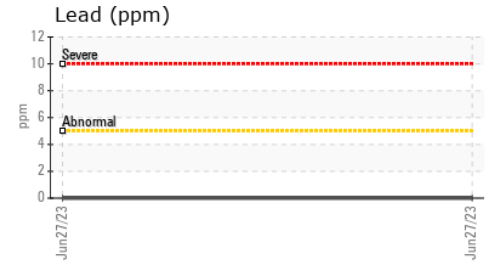
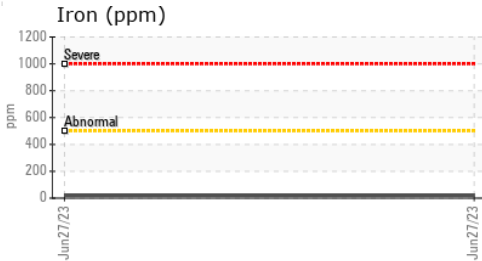
# OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D7279(m)	141.0	<b>137</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.06	<b>14.4</b>	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	108	<b>103</b>	---	---

SAMPLE IMAGES		method	limit/base	current	history 1	history 2
Color				no image	no image	
Bottom				no image	no image	

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0050468 **Received** : 04 Jul 2023  
**Lab Number** : **02567845** **Diagnosed** : 04 Jul 2023  
**Unique Number** : 5604891 **Diagnostician** : Wes Davis  
**Test Package** : MOB 1 ( Additional Tests: KV100, VI )

**Lakeshore Gold Timmins West**  
 Timmins, ON  
 CA  
 Contact: Adam Koscielak  
 adam.koscielak@HFSinclair.com  
 T:  
 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.