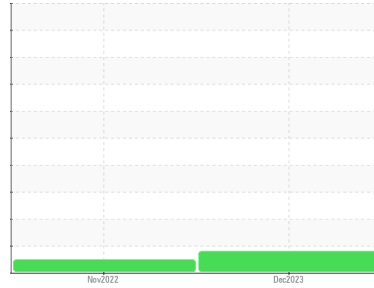


# OIL ANALYSIS REPORT



Area  
**Scoop 6 Yard**  
Machine Id  
**LHD6103**  
Component  
**Upbox**  
Fluid  
**PETRO CANADA TRAXON 80W90 (3 LTR)**

Sample Rating Trend



## DIAGNOSIS

- Recommendation**  
We recommend an early resample to monitor this condition.
- Wear**  
Aluminum ppm levels are marginal. All other component wear rates are normal.
- Contamination**  
There is no indication of any contamination in the oil.
- Fluid Condition**  
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>PC0075003</b>	PC0051050	---
Sample Date	Client Info		<b>02 Dec 2023</b>	16 Nov 2022	---
Machine Age	hrs	Client Info	<b>7269</b>	0	---
Oil Age	hrs	Client Info	<b>0</b>	0	---
Oil Changed	Client Info		<b>N/A</b>	N/A	---
Sample Status			<b>MARGINAL</b>	NORMAL	---

## CONTAMINATION

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

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >200	<b>122</b>	264	---
Chromium	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	1	---
Nickel	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185(m)	<b>6</b>	2	---
Silver	ppm	ASTM D5185(m)	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	<b>▲ 79</b>	41	---
Lead	ppm	ASTM D5185(m)	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	---
Tin	ppm	ASTM D5185(m)	<b>0</b>	0	---
Antimony	ppm	ASTM D5185(m) >5	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	<1	---
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	0	---

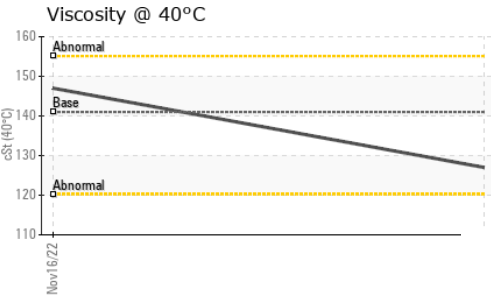
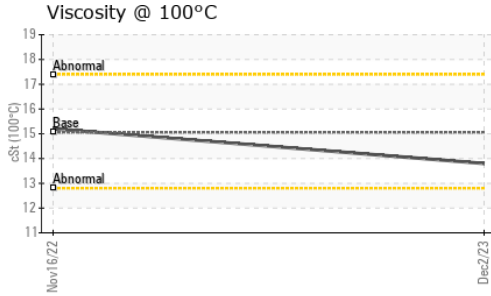
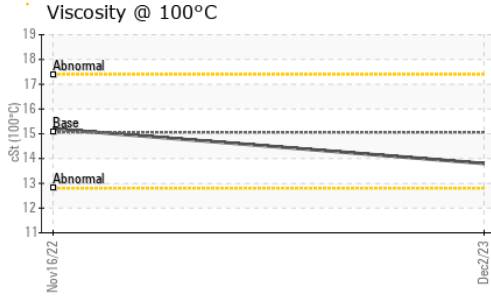
## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 243	<b>199</b>	46	---
Barium	ppm	ASTM D5185(m) 1	<b>2</b>	<1	---
Molybdenum	ppm	ASTM D5185(m)	<b>0</b>	<1	---
Manganese	ppm	ASTM D5185(m)	<b>2</b>	3	---
Magnesium	ppm	ASTM D5185(m) 2	<b>53</b>	18	---
Calcium	ppm	ASTM D5185(m) 6	<b>414</b>	48	---
Phosphorus	ppm	ASTM D5185(m) 987	<b>977</b>	697	---
Zinc	ppm	ASTM D5185(m) 1	<b>105</b>	23	---
Sulfur	ppm	ASTM D5185(m) 21530	<b>16033</b>	20180	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	---

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	<b>216</b>	100	---
Sodium	ppm	ASTM D5185(m)	<b>32</b>	13	---
Potassium	ppm	ASTM D5185(m) >20	<b>25</b>	12	---

# OIL ANALYSIS REPORT



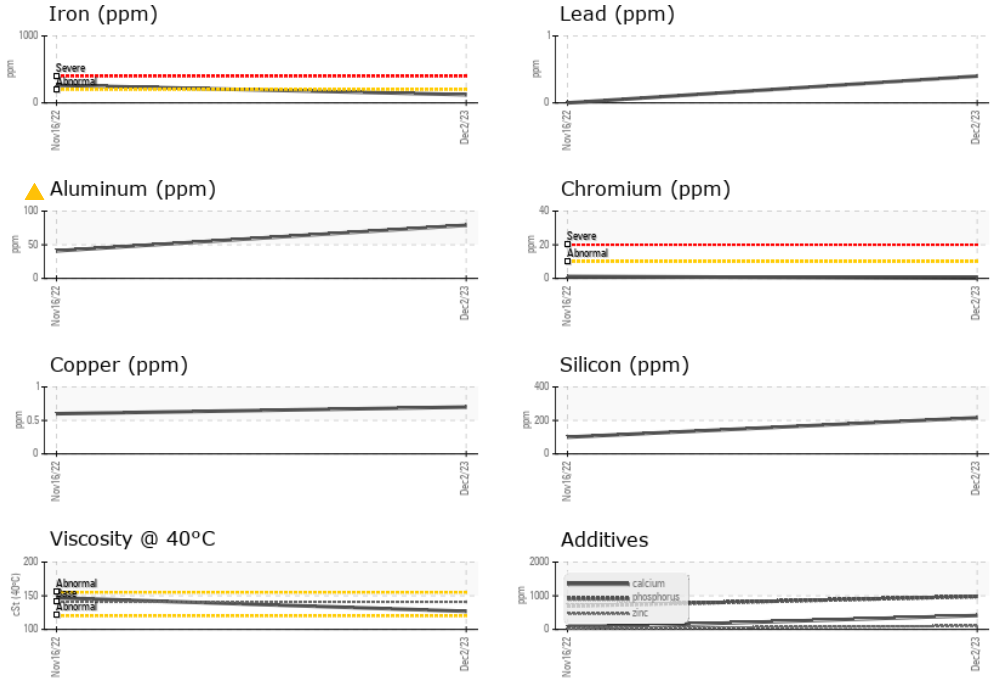
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	VLITE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	LIGHT	NONE
Sand/Dirt	scalar	Visual*	NONE	LIGHT	LIGHT
Appearance	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)	141.0	127	147
Visc @ 100°C	cSt	ASTM D7279(m)	15.06	13.8	15.2
Viscosity Index (VI)	Scale	ASTM D2270*	108	105	104

### SAMPLE IMAGES

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

### GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0075003 **Received** : 20 Dec 2023  
**Lab Number** : 02604488 **Diagnosed** : 21 Dec 2023  
**Unique Number** : 5697573 **Diagnostician** : Kevin Marson  
**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.