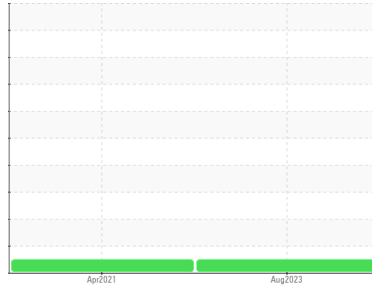




# OIL ANALYSIS REPORT

Area  
**Haul Truck**  
Machine Id  
**HT2404**  
Component  
**Hydraulic System**  
Fluid  
**PETRO CANADA DURATRAN (238 LTR)**

Sample Rating Trend



**NORMAL**

**DIAGNOSIS**

- Recommendation**  
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**  
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>PC0050654</b>	PC0046598	---
Sample Date	Client Info		<b>31 Aug 2023</b>	26 Apr 2021	---
Machine Age	hrs	Client Info	<b>5529</b>	1807	---
Oil Age	hrs	Client Info	<b>0</b>	0	---
Oil Changed	Client Info		<b>N/A</b>	N/A	---
Sample Status			<b>NORMAL</b>	NORMAL	---

**WEAR METALS**

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >20	<b>2</b>	5	---
Chromium	ppm	ASTM D5185(m) >10	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	0	---
Titanium	ppm	ASTM D5185(m)	<b>0</b>	<1	---
Silver	ppm	ASTM D5185(m)	<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185(m) >10	<b>1</b>	2	---
Lead	ppm	ASTM D5185(m) >10	<b>0</b>	<1	---
Copper	ppm	ASTM D5185(m) >75	<b>0</b>	6	---
Tin	ppm	ASTM D5185(m) >10	<b>0</b>	0	---
Antimony	ppm	ASTM D5185(m)	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	0	---
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) 110	<b>97</b>	96	---
Barium	ppm	ASTM D5185(m) 0.0	<b>0</b>	<1	---
Molybdenum	ppm	ASTM D5185(m) 0.0	<b>&lt;1</b>	1	---
Manganese	ppm	ASTM D5185(m) 1	<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185(m) 13	<b>20</b>	24	---
Calcium	ppm	ASTM D5185(m) 3610	<b>3394</b>	3283	---
Phosphorus	ppm	ASTM D5185(m) 1192	<b>1150</b>	1036	---
Zinc	ppm	ASTM D5185(m) 1455	<b>1354</b>	1338	---
Sulfur	ppm	ASTM D5185(m) 2641	<b>2560</b>	2607	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	---

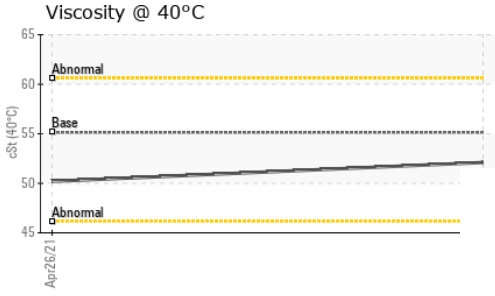
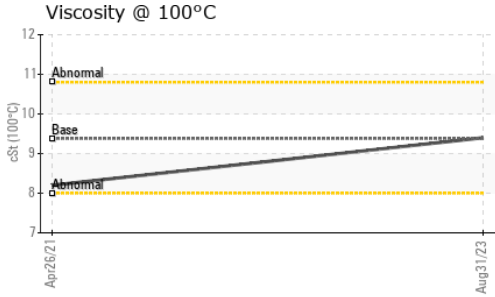
**CONTAMINANTS**

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >20	<b>10</b>	12	---
Sodium	ppm	ASTM D5185(m)	<b>&lt;1</b>	7	---
Potassium	ppm	ASTM D5185(m) >20	<b>0</b>	1	---

**VISUAL**

	method	limit/base	current	history1	history2
White Metal	scalar	Visual* NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	Visual* NONE	<b>NONE</b>	NONE	---
Precipitate	scalar	Visual* NONE	<b>NONE</b>	NONE	---
Silt	scalar	Visual* NONE	<b>NONE</b>	NONE	---
Debris	scalar	Visual* NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	Visual* NONE	<b>NONE</b>	VLITE	---
Appearance	scalar	Visual* NORML	<b>NORML</b>	NORML	---
Odor	scalar	Visual* NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	Visual* >0.1	<b>NEG</b>	NEG	---
Free Water	scalar	Visual*	<b>NEG</b>	NEG	---

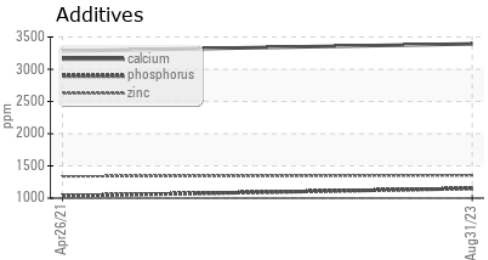
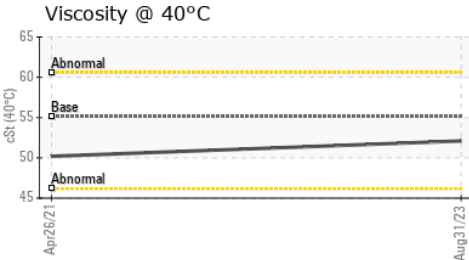
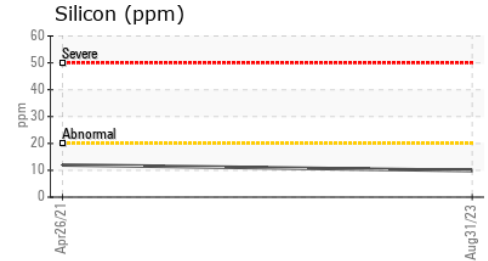
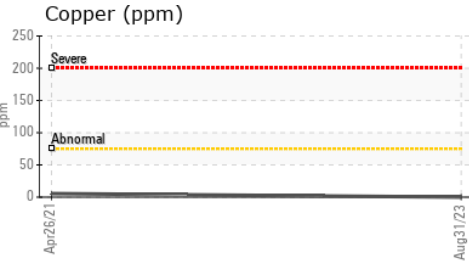
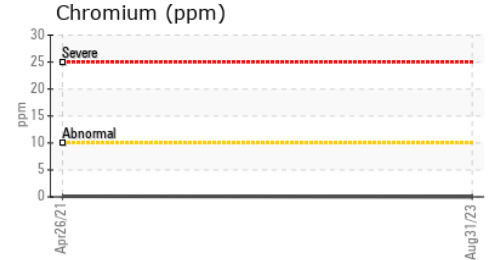
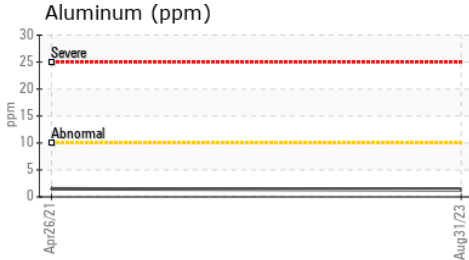
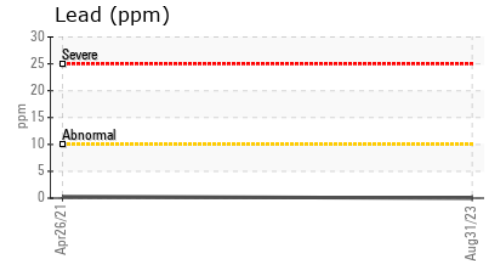
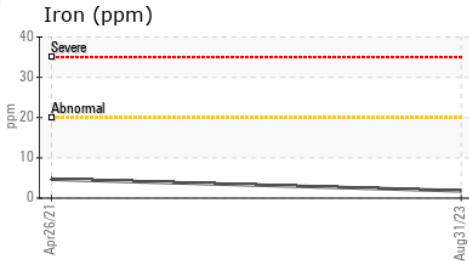
# OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	55.14	<b>52.1</b>	50.2	---
Visc @ 100°C	cSt	ASTM D7279(m)	9.38	<b>9.4</b>	8.2	---
Viscosity Index (VI)	Scale	ASTM D2270*	153	<b>165</b>	135	---

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.** : PC0050654 **Received** : 18 Sep 2023  
**Lab Number** : **02583183** **Diagnosed** : 19 Sep 2023  
**Unique Number** : 5644248 **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.