

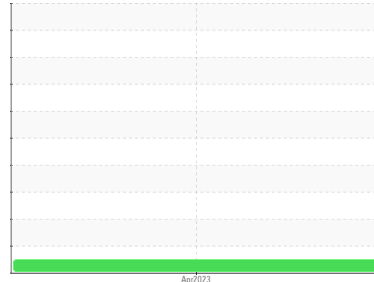
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**Scoop 6 Yard**  
Machine Id  
**LHD6105**  
Component  
**Hydraulic System**  
Fluid  
**PETRO CANADA DURATRAN (166 LTR)**



## 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	history 1	history 2
Sample Number	Client Info		<b>PC0050469</b>	---	---
Sample Date	Client Info		<b>23 Apr 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) >20	<b>3</b>	---	---
Chromium	ppm	ASTM D5185(m) >10	<b>0</b>	---	---
Nickel	ppm	ASTM D5185(m) >10	<b>0</b>	---	---
Titanium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---
Silver	ppm	ASTM D5185(m)	<b>1</b>	---	---
Aluminum	ppm	ASTM D5185(m) >10	<b>1</b>	---	---
Lead	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	---	---
Copper	ppm	ASTM D5185(m) >75	<b>1</b>	---	---
Tin	ppm	ASTM D5185(m) >10	<b>0</b>	---	---
Antimony	ppm	ASTM D5185(m)	<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) 110	<b>45</b>	---	---
Barium	ppm	ASTM D5185(m) 0.0	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185(m) 0.0	<b>&lt;1</b>	---	---
Manganese	ppm	ASTM D5185(m) 1	<b>0</b>	---	---
Magnesium	ppm	ASTM D5185(m) 13	<b>11</b>	---	---
Calcium	ppm	ASTM D5185(m) 3610	<b>2317</b>	---	---
Phosphorus	ppm	ASTM D5185(m) 1192	<b>919</b>	---	---
Zinc	ppm	ASTM D5185(m) 1455	<b>1062</b>	---	---
Sulfur	ppm	ASTM D5185(m) 2641	<b>2241</b>	---	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	---	---

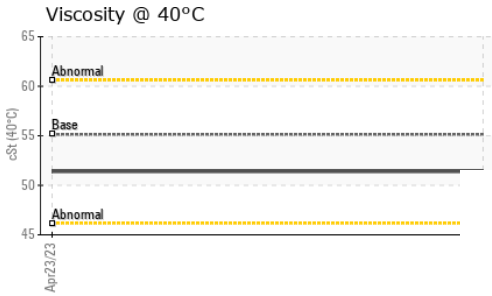
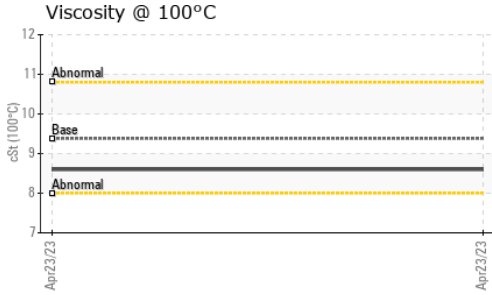
## CONTAMINANTS

	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185(m) >20	<b>5</b>	---	---
Sodium	ppm	ASTM D5185(m)	<b>&lt;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* >0.1	<b>NEG</b>	---	---
Free Water	scalar	Visual*	<b>NEG</b>	---	---

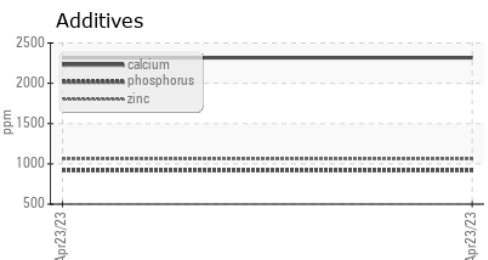
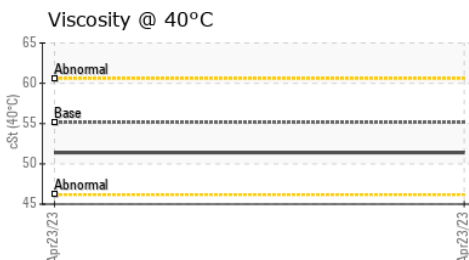
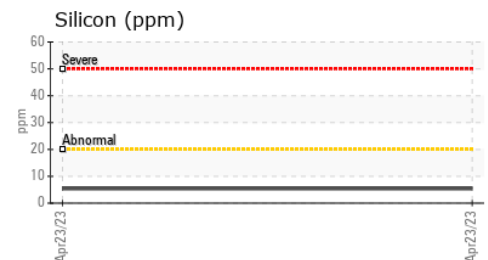
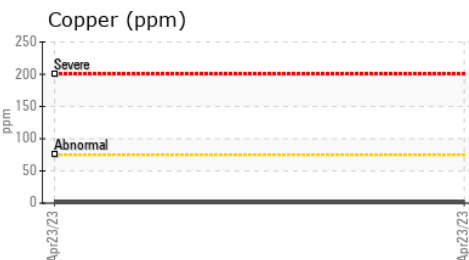
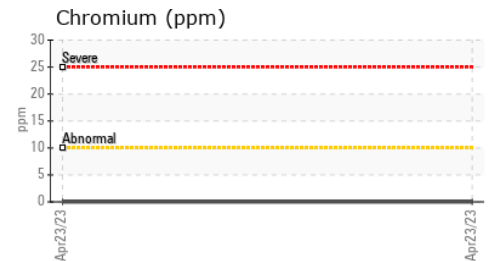
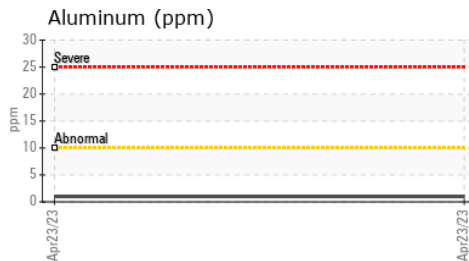
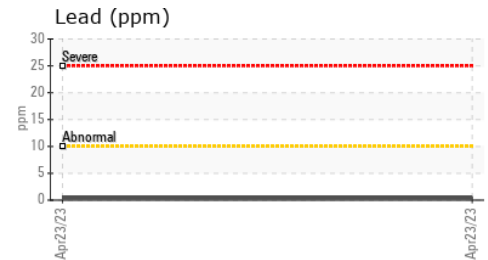
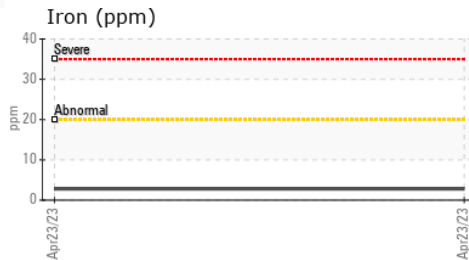
# OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D7279(m)	55.14	<b>51.4</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	9.38	<b>8.6</b>	---	---
Viscosity Index (VI)	Scale	ASTM D2270*	153	<b>144</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.** : PC0050469 **Received** : 04 Jul 2023  
**Lab Number** : **02567815** **Diagnosed** : 04 Jul 2023  
**Unique Number** : 5604861 **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.