



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Area  
**Haul Truck**  
Machine Id  
**HT5024**  
Component  
**Drop Box**  
Fluid  
**GEAR OIL SAE 90 (--- LTR)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PC0074935</b>	PC0047199	---
Sample Date		Client Info		<b>24 Dec 2023</b>	07 Jun 2021	---
Machine Age	hrs	Client Info		<b>9972</b>	0	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>N/A</b>	N/A	---
Filter Changed		Client Info		<b>N/A</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>400	<b>17</b>	18	---
Chromium	ppm	ASTM D5185(m)	>4	<b>0</b>	0	---
Nickel	ppm	ASTM D5185(m)	>3	<b>0</b>	0	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	<1	---
Lead	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	2	---
Copper	ppm	ASTM D5185(m)	>50	<b>4</b>	3	---
Tin	ppm	ASTM D5185(m)	>3	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---

**CONTAMINATION**

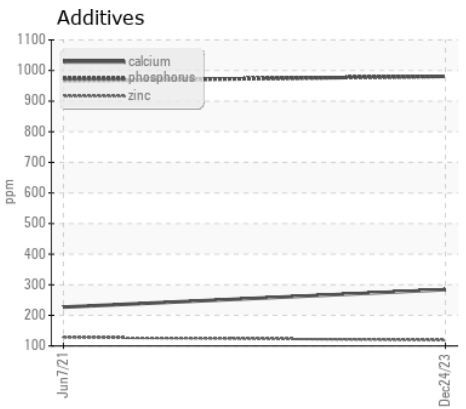
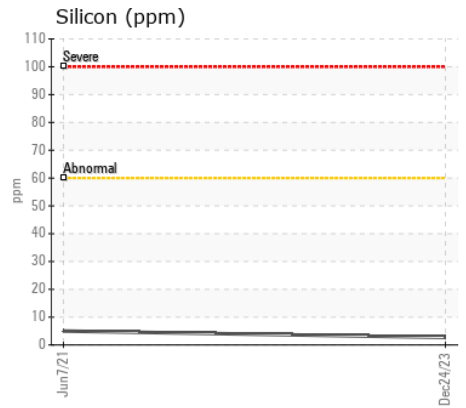
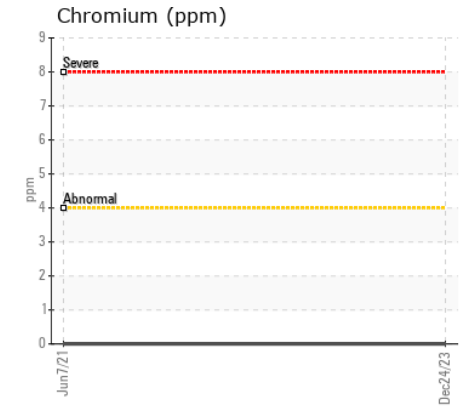
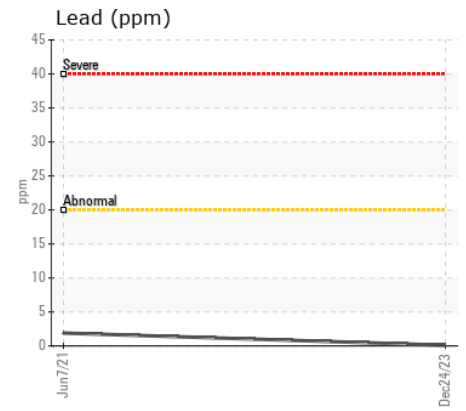
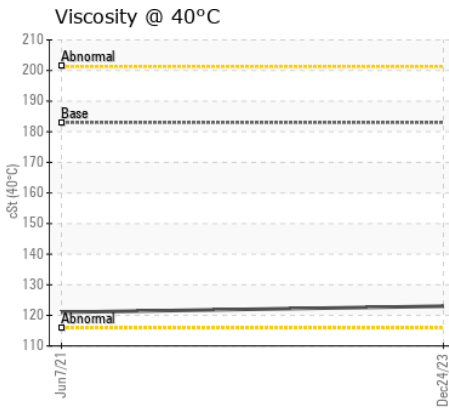
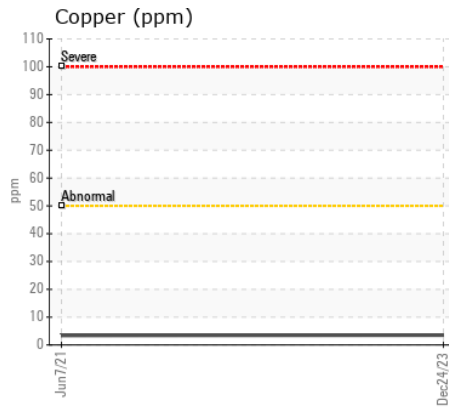
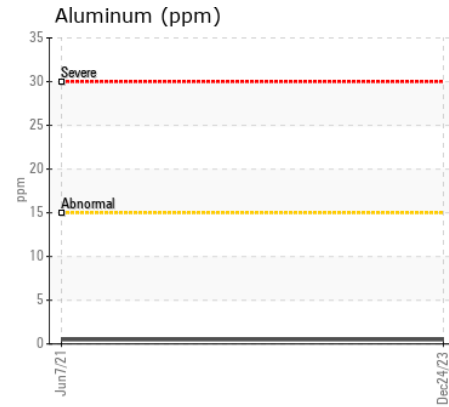
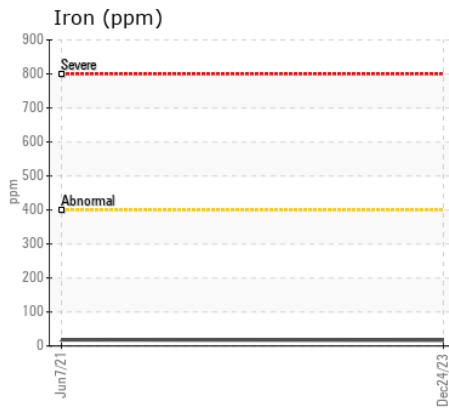
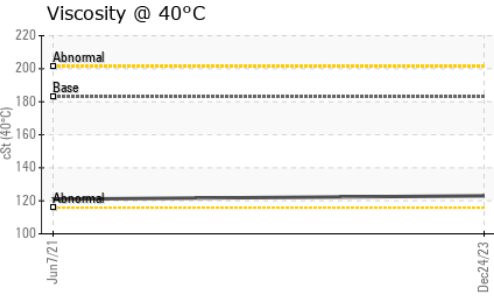
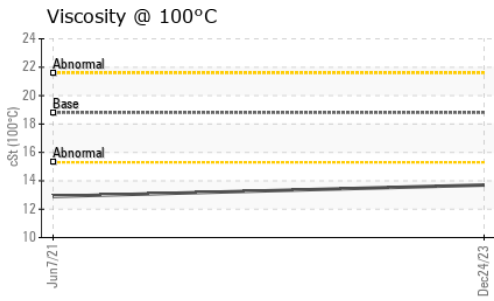
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>60	<b>3</b>	5	---
Potassium	ppm	ASTM D5185(m)	>20	<b>4</b>	2	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	VLITE	---
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	---

**FLUID CONDITION**

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		<b>2</b>	5	---
Boron	ppm	ASTM D5185(m)	400	<b>223</b>	215	---
Barium	ppm	ASTM D5185(m)	200	<b>0</b>	1	---
Molybdenum	ppm	ASTM D5185(m)	12	<b>0</b>	0	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185(m)	12	<b>3</b>	1	---
Calcium	ppm	ASTM D5185(m)	150	<b>284</b>	227	---
Phosphorus	ppm	ASTM D5185(m)	1650	<b>981</b>	966	---
Zinc	ppm	ASTM D5185(m)	125	<b>119</b>	128	---
Sulfur	ppm	ASTM D5185(m)	22500	<b>15591</b>	17532	---
Visc @ 40°C	cSt	ASTM D7279(m)	183	<b>123</b>	121	---
Visc @ 100°C	cSt	ASTM D7279(m)	18.8	<b>13.7</b>	12.9	---
Viscosity Index (VI)	Scale	ASTM D2270*	115	<b>108</b>	99	---



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0074935 **Received** : 11 Jan 2024  
**Lab Number** : 02608270 **Diagnosed** : 11 Jan 2024  
**Unique Number** : 5709356 **Diagnostician** : Wes Davis  
**Test Package** : MOB 1 ( Additional Tests: KV100, VI )

**Lakeshore Gold Timmins West**

Timmins, ON  
CA

Contact: Dale Arseneau  
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T: (705)269-4344

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.