



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



Area  
**Haul Truck**  
Machine Id  
**HT4502**  
Component  
**Rear Left Planetary**  
Fluid  
**NOT GIVEN (--- LTR)**

**RECOMMENDATION**

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

**WEAR**

All component wear rates are normal.

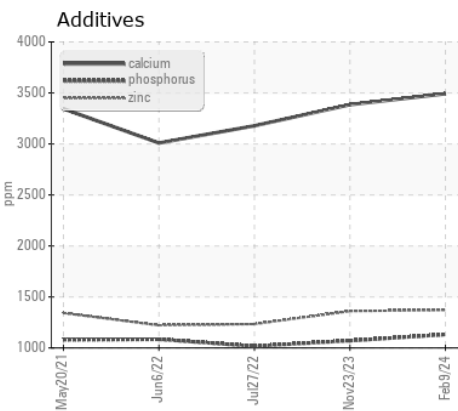
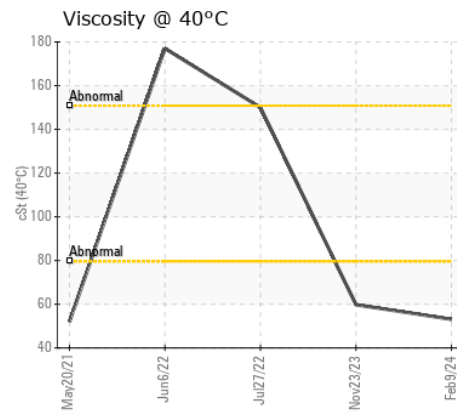
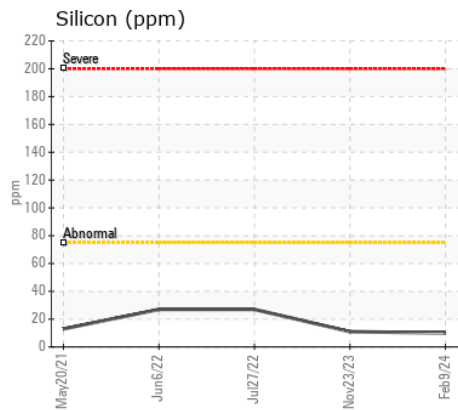
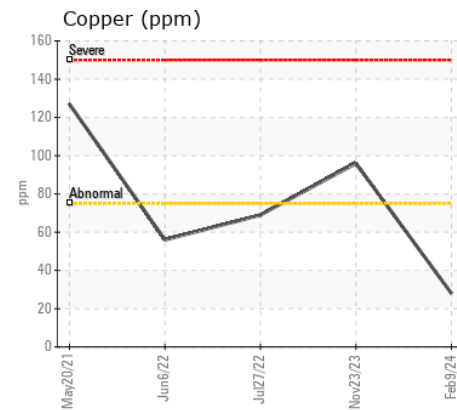
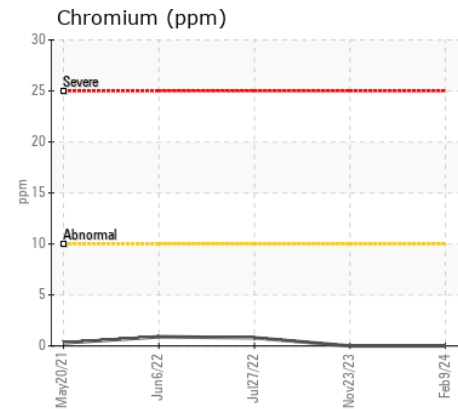
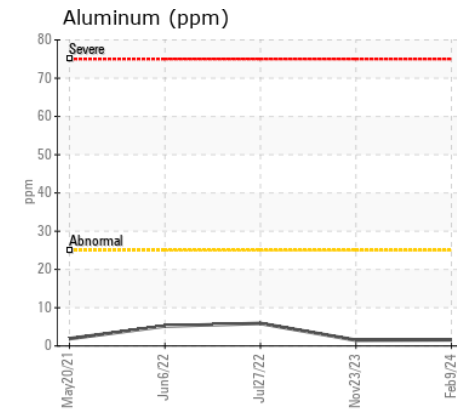
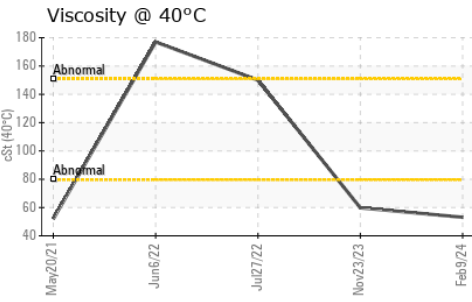
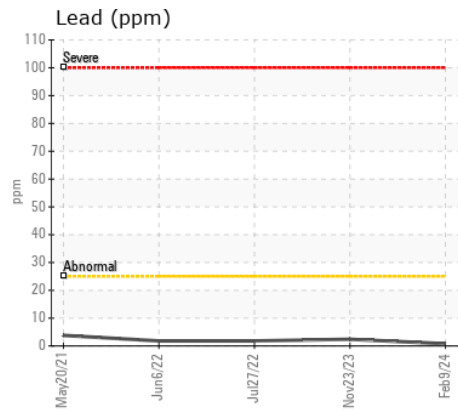
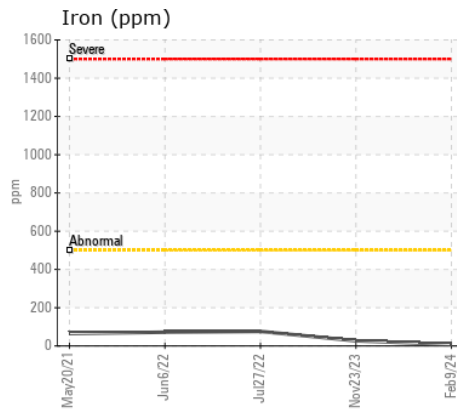
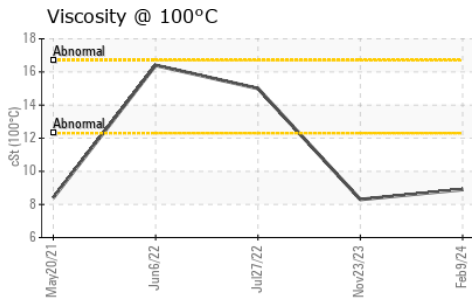
**CONTAMINATION**

There is no indication of any contamination in the oil.

**FLUID CONDITION**

Viscosity of sample indicates oil is within SAE 75W80 range, advise investigate. The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PC0075004</b>	PC0074884	PC0048863
Sample Date		Client Info		<b>09 Feb 2024</b>	23 Nov 2023	27 Jul 2022
Machine Age	hrs	Client Info		<b>7885</b>	6729	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	ABNORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>500	<b>8</b>	27	76
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>25	<b>2</b>	2	6
Lead	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	2	2
Copper	ppm	ASTM D5185(m)	>75	<b>28</b>	96	69
Tin	ppm	ASTM D5185(m)	>10	<b>1</b>	4	2
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>VLITE</b>	NONE	VLITE
Silicon	ppm	ASTM D5185(m)	>75	<b>10</b>	11	27
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	0	19
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG
Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	6
Boron	ppm	ASTM D5185(m)		<b>96</b>	85	16
Barium	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	<1	11
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	1
Magnesium	ppm	ASTM D5185(m)		<b>16</b>	14	16
Calcium	ppm	ASTM D5185(m)		<b>3492</b>	3385	3178
Phosphorus	ppm	ASTM D5185(m)		<b>1132</b>	1071	1017
Zinc	ppm	ASTM D5185(m)		<b>1371</b>	1361	1234
Sulfur	ppm	ASTM D5185(m)		<b>2831</b>	2689	6159
Visc @ 40°C	cSt	ASTM D7279(m)		<b>53.1</b>	▲ 59.8	150
Visc @ 100°C	cSt	ASTM D7279(m)		<b>8.9</b>	▲ 8.3	15.0
Viscosity Index (VI)	Scale	ASTM D2270*		<b>147</b>	108	99



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0075004 **Received** : 04 Mar 2024  
**Lab Number** : 02619633 **Tested** : 04 Mar 2024  
**Unique Number** : 5736743 **Diagnosed** : 04 Mar 2024 - Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: KV100, VI )

**Lakeshore Gold Timmins West**  
 Timmins, ON  
 CA  
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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.