

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

**RECOMMENDATION**

Resample at the next service interval to monitor.

**WEAR**

All component wear rates are normal.

**CONTAMINATION**

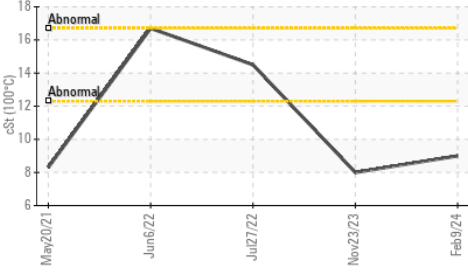
There is no indication of any contamination in the oil.

**FLUID CONDITION**

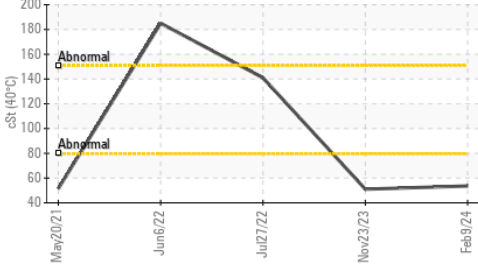
Viscosity of sample indicates oil is within SAE 75W80 range, advise investigate. The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PC0083358</b>	PC0074875	PC0048873
Sample Date		Client Info		<b>09 Feb 2024</b>	23 Nov 2023	27 Jul 2022
Machine Age	hrs	Client Info		<b>7882</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>ABNORMAL</b>	ABNORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>500	<b>7</b>	22	100
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Aluminum	ppm	ASTM D5185(m)	>25	<b>2</b>	2	4
Lead	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	<1	1
Copper	ppm	ASTM D5185(m)	>75	<b>6</b>	19	47
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>VLITE</b>	NONE	VLITE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>75	<b>11</b>	12	22
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	25
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>	VLITE	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	7
Boron	ppm	ASTM D5185(m)		<b>95</b>	84	6
Barium	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0	2
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	1
Magnesium	ppm	ASTM D5185(m)		<b>16</b>	15	21
Calcium	ppm	ASTM D5185(m)		<b>3501</b>	3322	2959
Phosphorus	ppm	ASTM D5185(m)		<b>1131</b>	1043	948
Zinc	ppm	ASTM D5185(m)		<b>1371</b>	1344	1166
Sulfur	ppm	ASTM D5185(m)		<b>2905</b>	2694	6086
Visc @ 40°C	cSt	ASTM D7279(m)		<b>▲ 53.6</b>	▲ 51.0	141
Visc @ 100°C	cSt	ASTM D7279(m)		<b>▲ 9.0</b>	▲ 8	14.5
Viscosity Index (VI)	Scale	ASTM D2270*		<b>148</b>	126	101

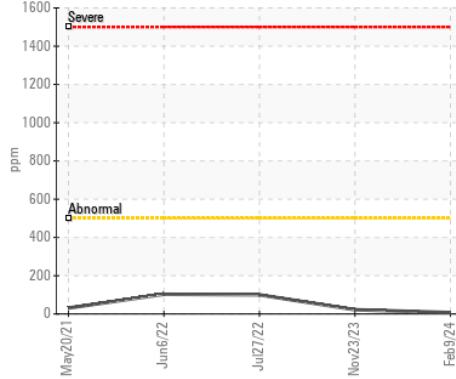
▲ Viscosity @ 100°C



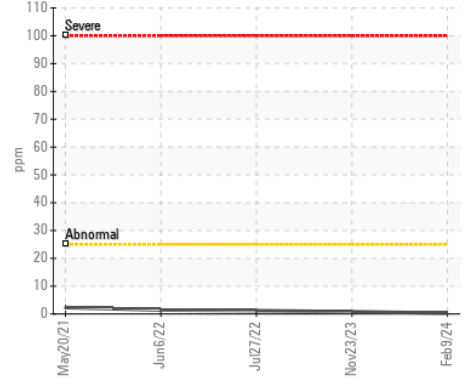
▲ Viscosity @ 40°C



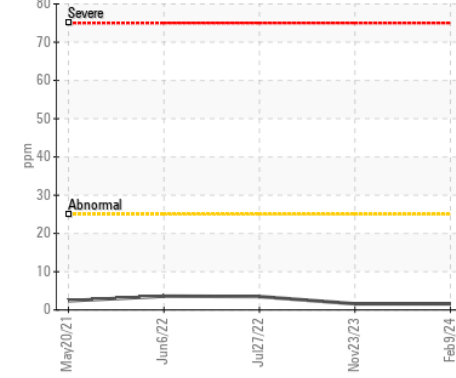
Iron (ppm)



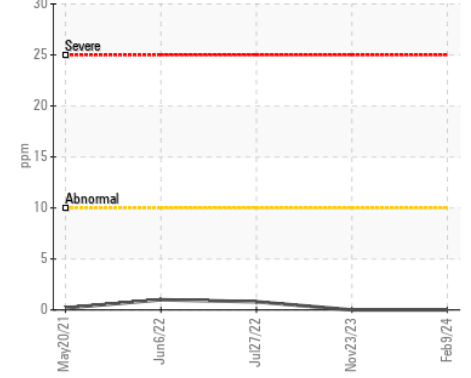
Lead (ppm)



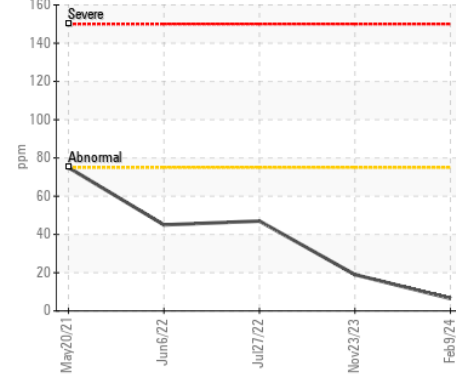
Aluminum (ppm)



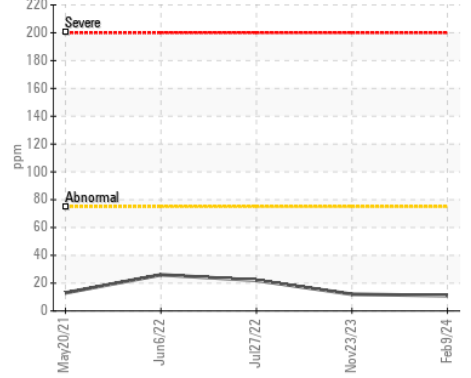
Chromium (ppm)



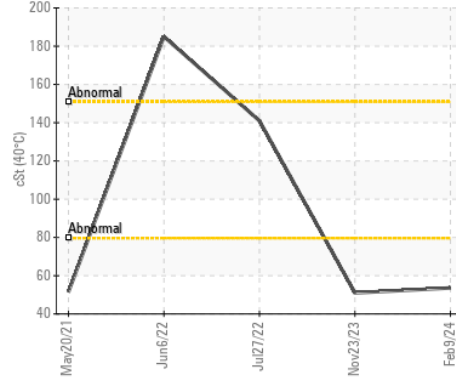
Copper (ppm)



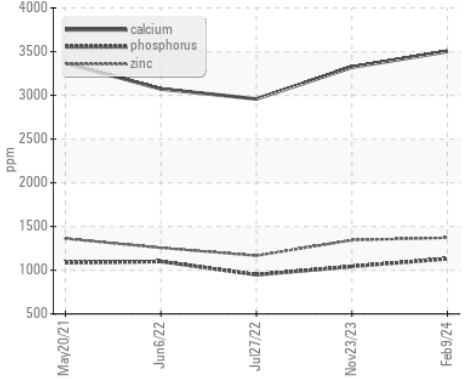
Silicon (ppm)



▲ Viscosity @ 40°C



Additives



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0083358 **Received** : 04 Mar 2024  
**Lab Number** : 02619629 **Tested** : 04 Mar 2024  
**Unique Number** : 5736739 **Diagnosed** : 04 Mar 2024 - Kevin Marson  
**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.