

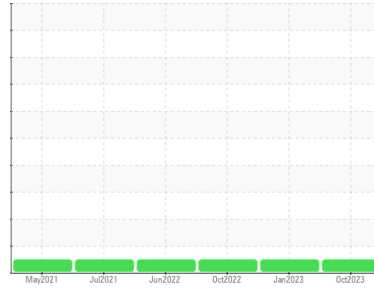
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
Rock Truck
Machine Id
HT2607
Component
Hydraulic System
Fluid
NOT GIVEN (--- 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	history1	history2
Sample Number	Client Info			PC0066728	PC0067026	PC0048639
Sample Date	Client Info			07 Oct 2023	08 Jan 2023	11 Oct 2022
Machine Age	hrs	Client Info		40917	37663	36264
Oil Age	hrs	Client Info		0	0	0
Oil Changed	Client Info			N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

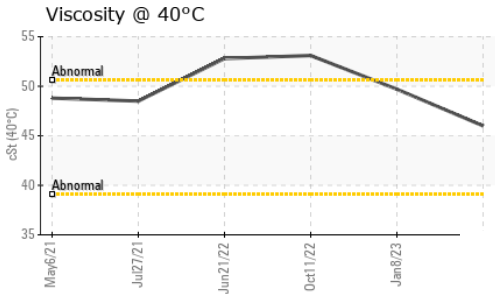
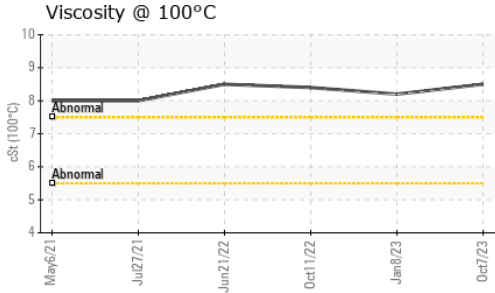
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>20	2	2	2
Chromium	ppm	ASTM D5185(m)	>10	0	0	0
Nickel	ppm	ASTM D5185(m)	>10	0	0	0
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)		<1	0	0
Aluminum	ppm	ASTM D5185(m)	>10	1	<1	1
Lead	ppm	ASTM D5185(m)	>10	<1	3	<1
Copper	ppm	ASTM D5185(m)	>75	3	13	3
Tin	ppm	ASTM D5185(m)	>10	0	<1	0
Antimony	ppm	ASTM D5185(m)		0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		2	32	74
Barium	ppm	ASTM D5185(m)		<1	0	0
Molybdenum	ppm	ASTM D5185(m)		52	<1	8
Manganese	ppm	ASTM D5185(m)		0	0	<1
Magnesium	ppm	ASTM D5185(m)		840	15	121
Calcium	ppm	ASTM D5185(m)		1255	2668	2626
Phosphorus	ppm	ASTM D5185(m)		1014	975	1080
Zinc	ppm	ASTM D5185(m)		1153	1105	1094
Sulfur	ppm	ASTM D5185(m)		2665	2573	4322
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>20	4	4	7
Sodium	ppm	ASTM D5185(m)		2	1	4
Potassium	ppm	ASTM D5185(m)	>20	0	<1	1

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

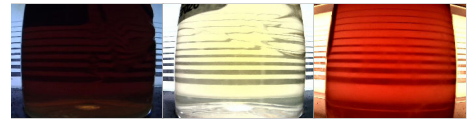
OIL ANALYSIS REPORT



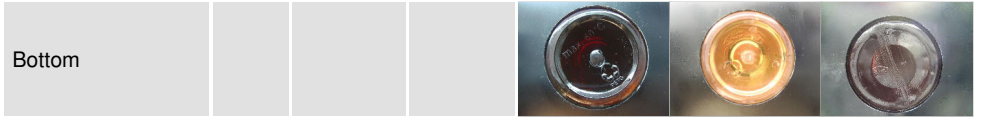
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)		46.0	49.7	53.1
Visc @ 100°C	cSt	ASTM D7279(m)		8.5	8.2	8.4
Viscosity Index (VI)	Scale	ASTM D2270*		164	137	131

SAMPLE IMAGES		method	limit/base	current	history1	history2
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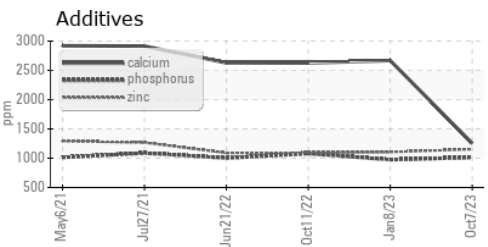
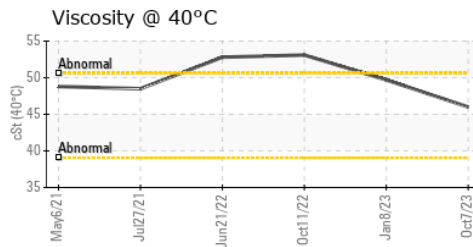
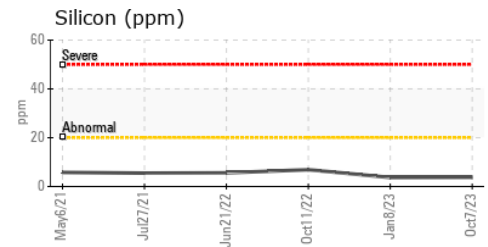
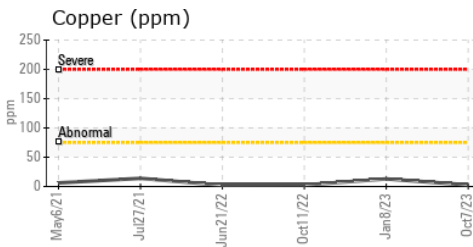
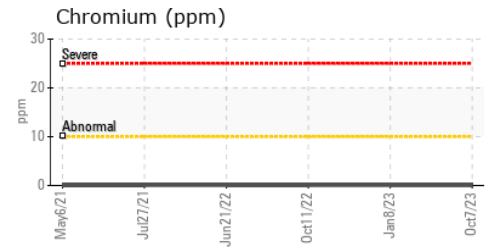
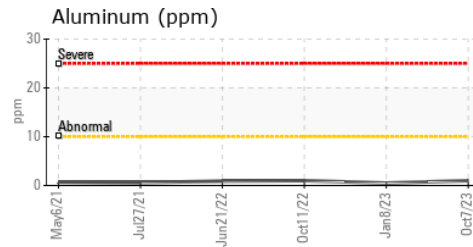
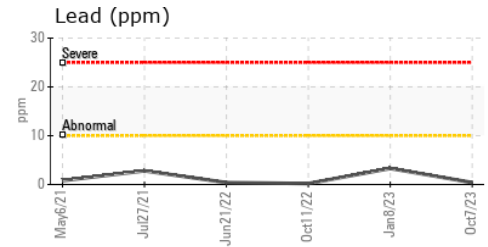
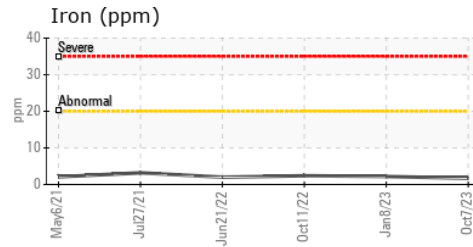
Color



Bottom



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0066728 **Received** : 01 Nov 2023
Lab Number : 02593281 **Diagnosed** : 02 Nov 2023
Unique Number : 5670360 **Diagnostician** : Kevin Marson
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.