

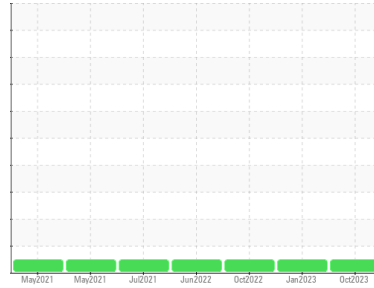
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
Rock Truck
Machine Id
HT2607
Component
Center Axle
Fluid
TDH FLUID SAE 75W80 (67 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	PC0066721	PC0067022	PC0048733
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)	>500	11	2	10
Chromium ppm ASTM D5185(m)	>10	0	0	0
Nickel ppm ASTM D5185(m)	>10	<1	0	0
Titanium ppm ASTM D5185(m)		0	0	<1
Silver ppm ASTM D5185(m)		7	0	0
Aluminum ppm ASTM D5185(m)	>25	<1	<1	1
Lead ppm ASTM D5185(m)	>25	<1	4	0
Copper ppm ASTM D5185(m)	>50	7	13	2
Tin ppm ASTM D5185(m)	>10	0	<1	0
Antimony ppm ASTM D5185(m)	>5	0	<1	<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)	10	1	33	101
Barium ppm ASTM D5185(m)	10	<1	0	0
Molybdenum ppm ASTM D5185(m)	10	<1	<1	1
Manganese ppm ASTM D5185(m)		0	<1	<1
Magnesium ppm ASTM D5185(m)	100	16	15	24
Calcium ppm ASTM D5185(m)	3500	2288	2704	3547
Phosphorus ppm ASTM D5185(m)	1150	859	989	1168
Zinc ppm ASTM D5185(m)	1150	1028	1125	1325
Sulfur ppm ASTM D5185(m)	5000	2498	2679	2881
Lithium ppm ASTM D5185(m)		<1	<1	<1

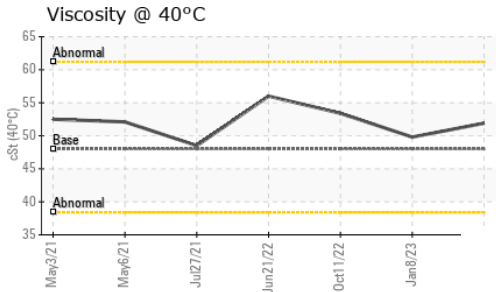
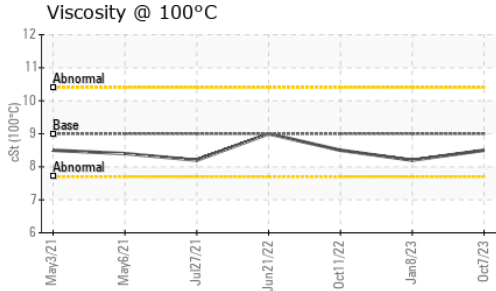
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm ASTM D5185(m)	>75	5	3	12
Sodium ppm ASTM D5185(m)		1	1	1
Potassium ppm ASTM D5185(m)	>20	3	<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*	>0.2	NEG	NEG	NEG
Free Water scalar Visual*		NEG	NEG	NEG

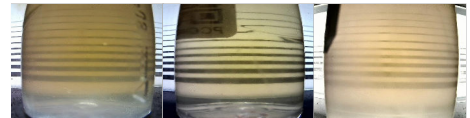
OIL ANALYSIS REPORT



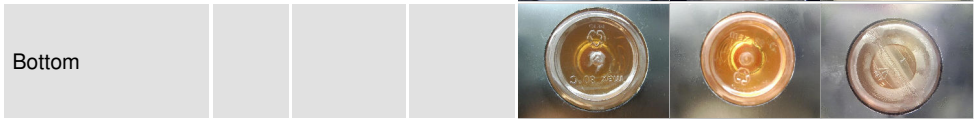
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	48	51.9	49.8	53.4
Visc @ 100°C	cSt	ASTM D7279(m)	9.0	8.5	8.2	8.5
Viscosity Index (VI)	Scale	ASTM D2270*	171	139	137	133

SAMPLE IMAGES		method	limit/base	current	history1	history2
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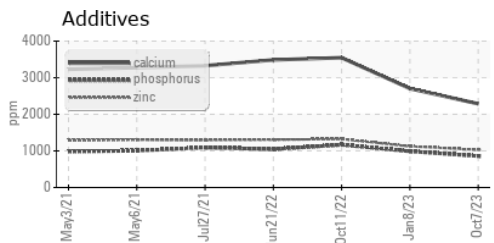
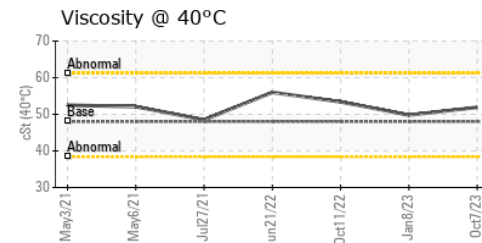
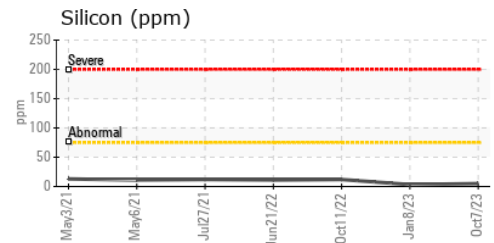
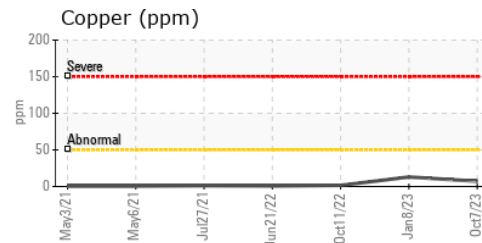
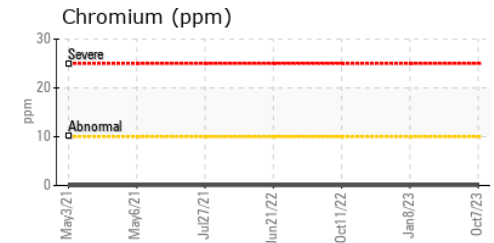
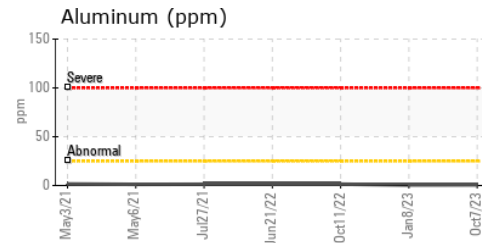
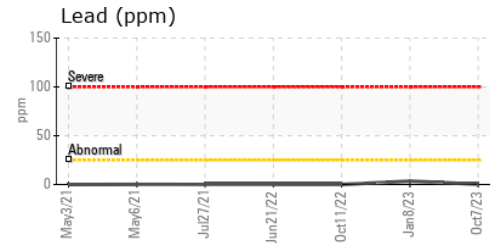
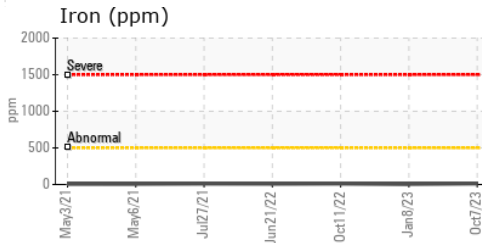
Color



Bottom



GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0066721 **Received** : 01 Nov 2023
Lab Number : 02593322 **Diagnosed** : 01 Nov 2023
Unique Number : 5670401 **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.