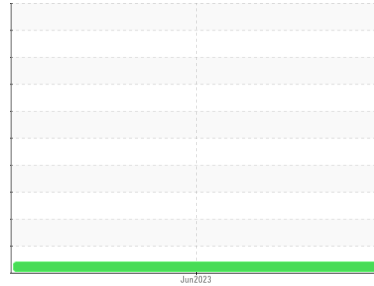




OIL ANALYSIS REPORT

Area
Haul Truck
Machine Id
HT5023
Component
Transmission (Manual)
Fluid
NOT GIVEN (--- LTR)

Sample Rating Trend



VISCOSITY



DIAGNOSIS

Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 5W20 Transmission/Drive Train Oil. Please confirm the fluid type and grade, and specify the brand of the fluid on your next sample.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the fluid.

Fluid Condition

Viscosity of sample indicates oil is within SAE 5W20 range, advise investigate. The condition of the fluid is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history 1	history 2
Sample Number	Client Info	PC0066834	---	---
Sample Date	Client Info	04 Jun 2023	---	---
Machine Age	hrs Client Info	9532	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ABNORMAL	---	---

WEAR METALS

method	limit/base	current	history 1	history 2
Iron ppm	ASTM D5185(m) >200	6	---	---
Chromium ppm	ASTM D5185(m) >5	0	---	---
Nickel ppm	ASTM D5185(m) >5	0	---	---
Titanium ppm	ASTM D5185(m)	<1	---	---
Silver ppm	ASTM D5185(m) >7	0	---	---
Aluminum ppm	ASTM D5185(m) >25	2	---	---
Lead ppm	ASTM D5185(m) >45	2	---	---
Copper ppm	ASTM D5185(m) >225	60	---	---
Tin ppm	ASTM D5185(m) >10	0	---	---
Antimony ppm	ASTM D5185(m)	0	---	---
Vanadium ppm	ASTM D5185(m)	0	---	---
Beryllium ppm	ASTM D5185(m)	0	---	---
Cadmium ppm	ASTM D5185(m)	0	---	---

ADDITIVES

method	limit/base	current	history 1	history 2
Boron ppm	ASTM D5185(m)	66	---	---
Barium ppm	ASTM D5185(m)	0	---	---
Molybdenum ppm	ASTM D5185(m)	2	---	---
Manganese ppm	ASTM D5185(m)	0	---	---
Magnesium ppm	ASTM D5185(m)	52	---	---
Calcium ppm	ASTM D5185(m)	2984	---	---
Phosphorus ppm	ASTM D5185(m)	1064	---	---
Zinc ppm	ASTM D5185(m)	1271	---	---
Sulfur ppm	ASTM D5185(m)	2587	---	---
Lithium ppm	ASTM D5185(m)	<1	---	---

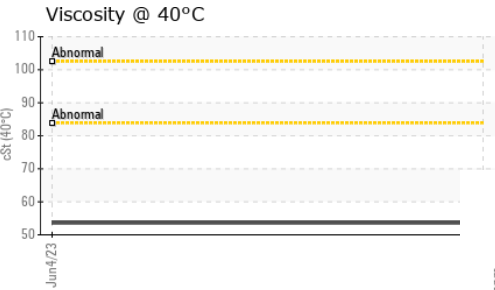
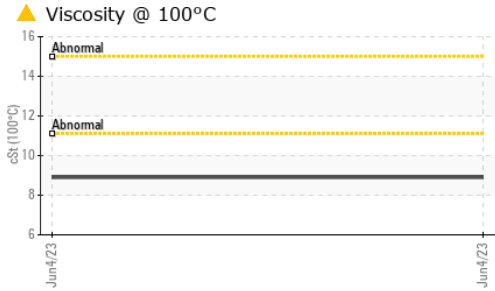
CONTAMINANTS

method	limit/base	current	history 1	history 2
Silicon ppm	ASTM D5185(m) >125	8	---	---
Sodium ppm	ASTM D5185(m)	<1	---	---
Potassium ppm	ASTM D5185(m) >20	<1	---	---

VISUAL

method	limit/base	current	history 1	history 2
White Metal scalar	Visual* NONE	NONE	---	---
Yellow Metal scalar	Visual* NONE	NONE	---	---
Precipitate scalar	Visual* NONE	NONE	---	---
Silt scalar	Visual* NONE	NONE	---	---
Debris scalar	Visual* NONE	NONE	---	---
Sand/Dirt scalar	Visual* NONE	NONE	---	---
Appearance scalar	Visual* NORML	NORML	---	---
Odor scalar	Visual* NORML	NORML	---	---
Emulsified Water scalar	Visual* >0.1	NEG	---	---
Free Water scalar	Visual*	NEG	---	---

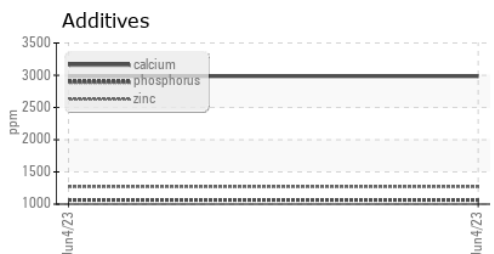
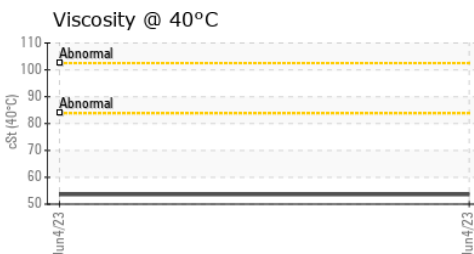
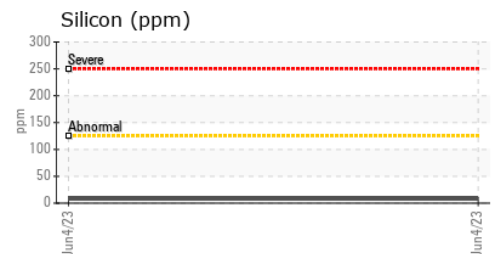
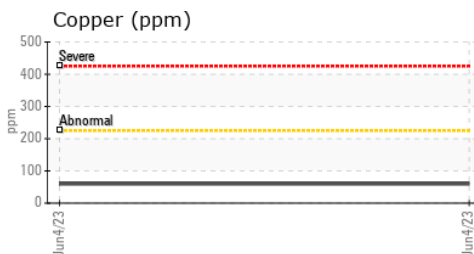
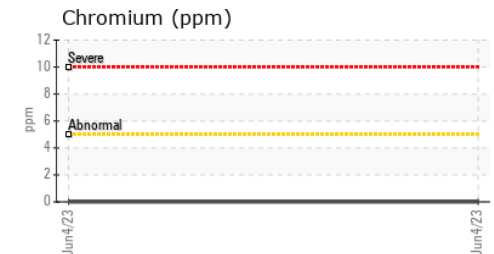
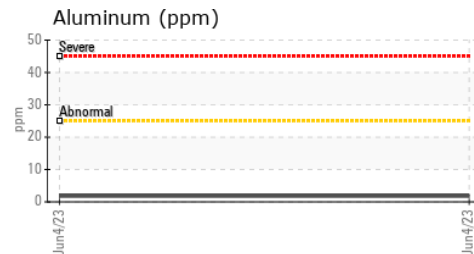
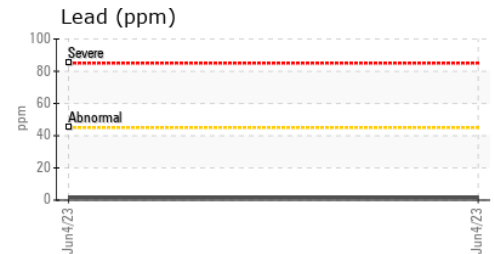
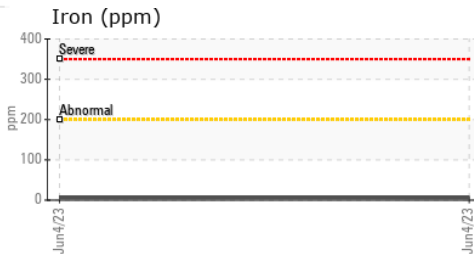
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history 1	history 2
Visc @ 40°C	cSt	ASTM D7279(m)		53.6	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		▲ 8.9	---	---
Viscosity Index (VI)	Scale	ASTM D2270*		145	---	---

SAMPLE IMAGES		method	limit/base	current	history 1	history 2
Color					no image	no image
Bottom					no image	no image

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0066834
Lab Number : 02567827
Unique Number : 5604873
Test Package : MOB 1 (Additional Tests: KV100, VI)

Lakeshore Gold Timmins West
 Timmins, ON
 CA
 Contact: Adam Koscielak
 adam.koscielak@HFSinclair.com

*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.*