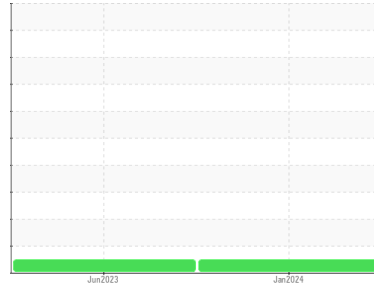




OIL ANALYSIS REPORT

Area
Haul Truck
Machine Id
HT5023
Component
Drop Box
Fluid
GEAR OIL SAE 80W90 (--- GAL)

Sample Rating Trend



NORMAL

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	PC0067111	PC0050697	---
Sample Date	Client Info	20 Jan 2024	04 Jun 2023	---
Machine Age	hrs	Client Info	10587	9532
Oil Age	hrs	Client Info	0	0
Oil Changed	Client Info	N/A	N/A	---
Sample Status		NORMAL	NORMAL	---

CONTAMINATION method limit/base current history1 history2

Water	WC Method	>0.2	NEG	NEG	---
-------	-----------	------	------------	-----	-----

WEAR METALS method limit/base current history1 history2

Iron	ppm	ASTM D5185(m)	>400	6	20	---
Chromium	ppm	ASTM D5185(m)	>4	0	0	---
Nickel	ppm	ASTM D5185(m)	>3	<1	<1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>15	<1	2	---
Lead	ppm	ASTM D5185(m)	>20	0	<1	---
Copper	ppm	ASTM D5185(m)	>50	1	5	---
Tin	ppm	ASTM D5185(m)	>3	0	0	---
Antimony	ppm	ASTM D5185(m)	>5	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
Beryllium	ppm	ASTM D5185(m)		0	0	---
Cadmium	ppm	ASTM D5185(m)		0	0	---

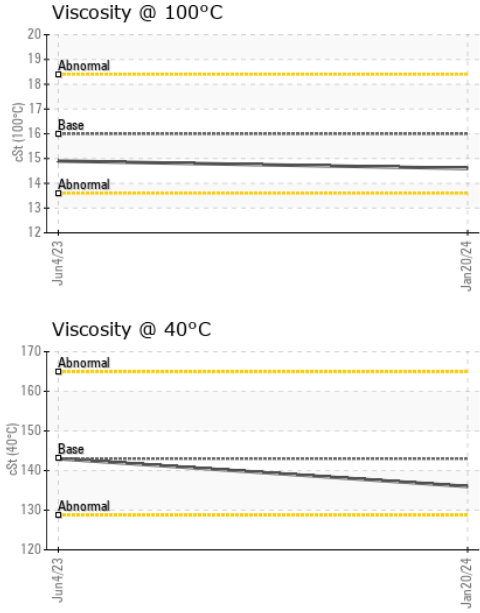
ADDITIVES method limit/base current history1 history2

Boron	ppm	ASTM D5185(m)	400	230	10	---
Barium	ppm	ASTM D5185(m)	200	0	0	---
Molybdenum	ppm	ASTM D5185(m)	12	0	0	---
Manganese	ppm	ASTM D5185(m)		0	<1	---
Magnesium	ppm	ASTM D5185(m)	12	<1	6	---
Calcium	ppm	ASTM D5185(m)	150	50	23	---
Phosphorus	ppm	ASTM D5185(m)	1650	970	621	---
Zinc	ppm	ASTM D5185(m)	125	21	41	---
Sulfur	ppm	ASTM D5185(m)	22500	16908	19617	---
Lithium	ppm	ASTM D5185(m)		<1	<1	---

CONTAMINANTS method limit/base current history1 history2

Silicon	ppm	ASTM D5185(m)	>60	6	5	---
Sodium	ppm	ASTM D5185(m)	>170	<1	6	---
Potassium	ppm	ASTM D5185(m)	>20	<1	2	---

OIL ANALYSIS REPORT

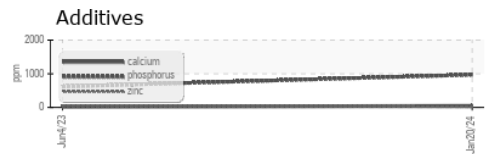
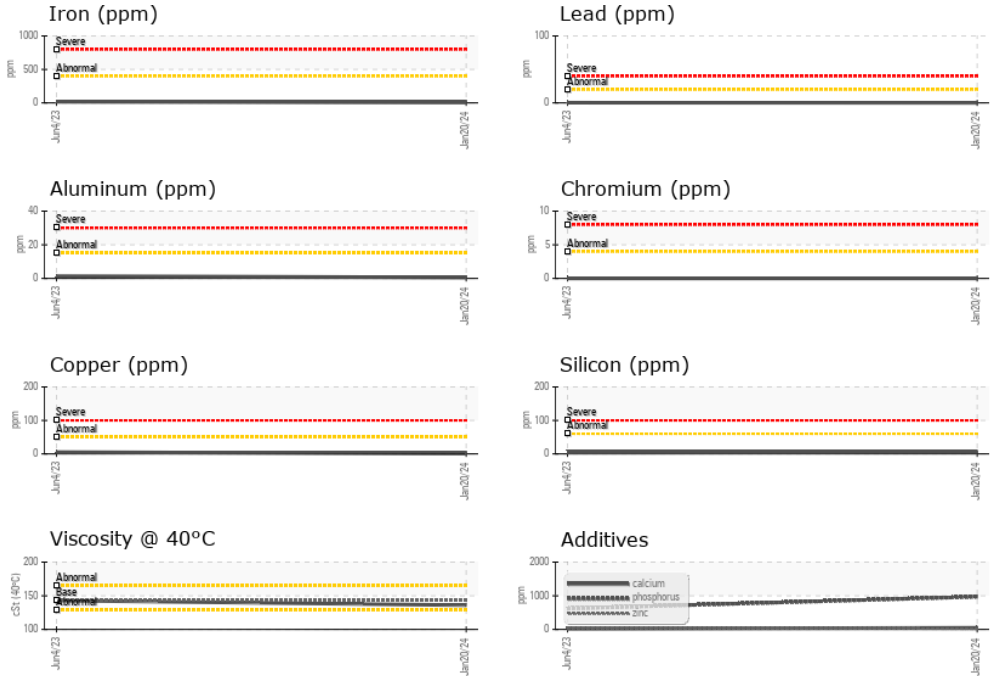


VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	VLITE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D2729(m)	143	136	---
Visc @ 100°C	cSt	ASTM D2729(m)	16.0	14.6	---
Viscosity Index (VI)	Scale	ASTM D2270*	117	106	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					no image
Bottom					no image

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0067111 **Received** : 09 Feb 2024
Lab Number : 02614455 **Tested** : 12 Feb 2024
Unique Number : 5723550 **Diagnosed** : 12 Feb 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: KV100, VI)

Lakeshore Gold Timmins West

Timmins, ON
 CA
 Contact: Dale Arseneau
 darseneau@ca.panamericansilver.com
 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.