



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Haul Truck
Machine Id
HT4502
Component
Rear Right Planetary
Fluid
NOT GIVEN (--- LTR)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

All component wear rates are normal.

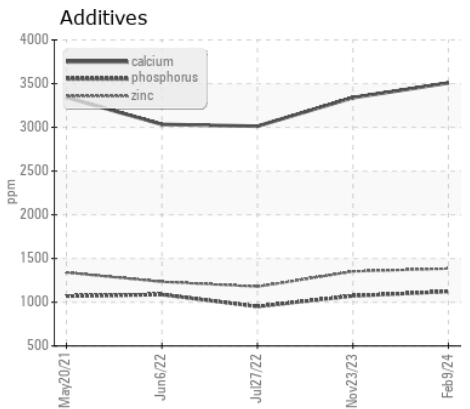
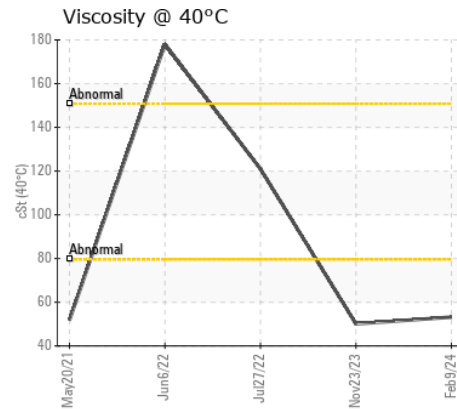
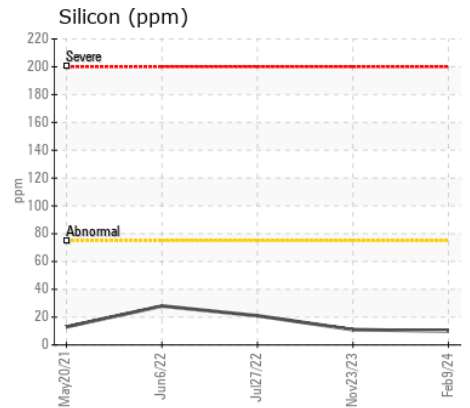
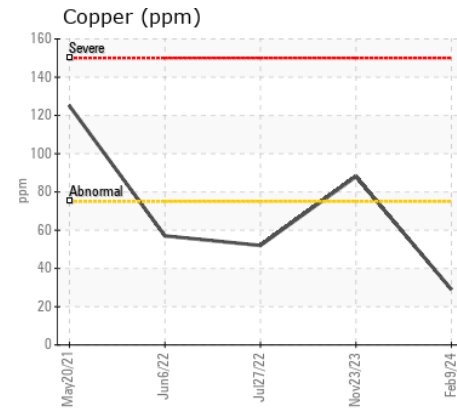
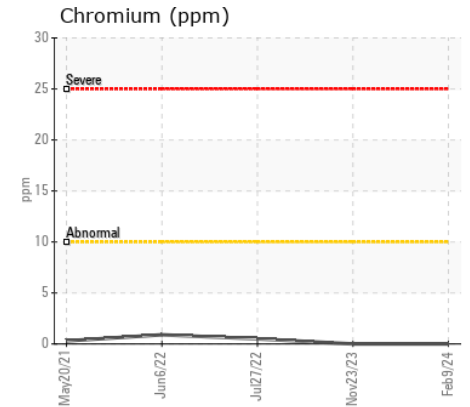
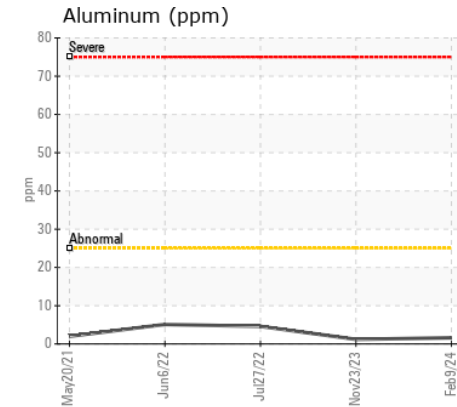
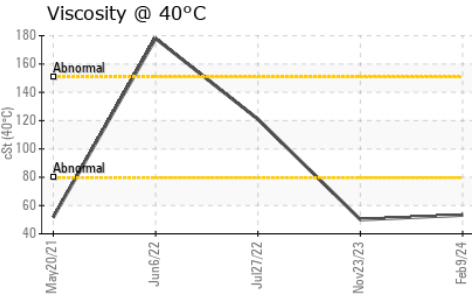
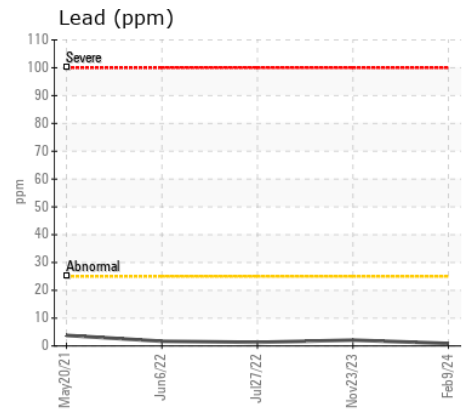
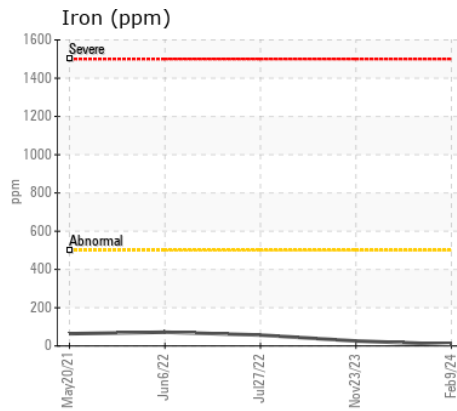
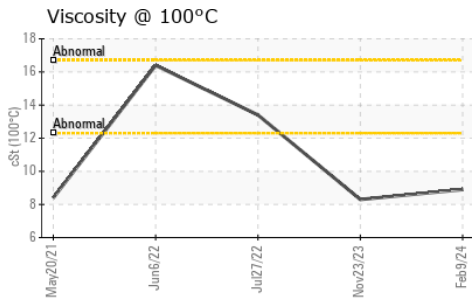
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0067045	PC0074883	PC0048862
Sample Date		Client Info		09 Feb 2024	23 Nov 2023	27 Jul 2022
Machine Age	hrs	Client Info		7882	6729	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>500	8	26	57
Chromium	ppm	ASTM D5185(m)	>10	0	0	<1
Nickel	ppm	ASTM D5185(m)	>10	0	0	0
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)		<1	<1	0
Aluminum	ppm	ASTM D5185(m)	>25	2	1	5
Lead	ppm	ASTM D5185(m)	>25	<1	2	1
Copper	ppm	ASTM D5185(m)	>75	29	88	52
Tin	ppm	ASTM D5185(m)	>10	1	3	1
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	VLITE	NONE	VLITE
Silicon	ppm	ASTM D5185(m)	>75	10	11	21
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	14
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	VLITE	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
Sodium	ppm	ASTM D5185(m)		<1	<1	5
Boron	ppm	ASTM D5185(m)		96	86	12
Barium	ppm	ASTM D5185(m)		0	<1	0
Molybdenum	ppm	ASTM D5185(m)		0	<1	8
Manganese	ppm	ASTM D5185(m)		0	0	1
Magnesium	ppm	ASTM D5185(m)		16	14	15
Calcium	ppm	ASTM D5185(m)		3508	3340	3013
Phosphorus	ppm	ASTM D5185(m)		1123	1072	951
Zinc	ppm	ASTM D5185(m)		1385	1352	1178
Sulfur	ppm	ASTM D5185(m)		2854	2680	5425
Visc @ 40°C	cSt	ASTM D7279(m)		53.2	▲ 50.1	121
Visc @ 100°C	cSt	ASTM D7279(m)		8.9	▲ 8.3	13.4
Viscosity Index (VI)	Scale	ASTM D2270*		146	139	106



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0067045 **Received** : 04 Mar 2024
Lab Number : 02619631 **Tested** : 04 Mar 2024
Unique Number : 5736741 **Diagnosed** : 04 Mar 2024 - Kevin Marson
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.