



WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Area  
**Haul Truck**  
Machine Id  
**HT2404**  
Component  
**Front Left Wheel Hub**  
Fluid  
**PETRO CANADA TRAXON 85W140 (--- LTR)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PC0046363</b>	PC0050653	PC0047181
Sample Date		Client Info		<b>08 Apr 2024</b>	31 Aug 2023	27 May 2021
Machine Age	hrs	Client Info		<b>6915</b>	5529	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>500	<b>271</b>	243	13
Chromium	ppm	ASTM D5185(m)	>8	<b>1</b>	2	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	1	<1
Titanium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185(m)	>5	<b>2</b>	4	<1
Lead	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	0
Copper	ppm	ASTM D5185(m)	>50	<b>14</b>	24	2
Tin	ppm	ASTM D5185(m)		<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	VLITE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>VLITE</b>	NONE	NONE

**CONTAMINATION**

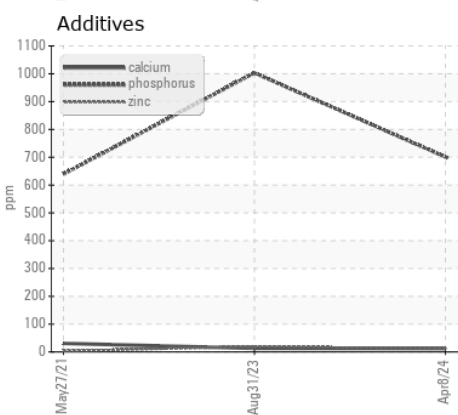
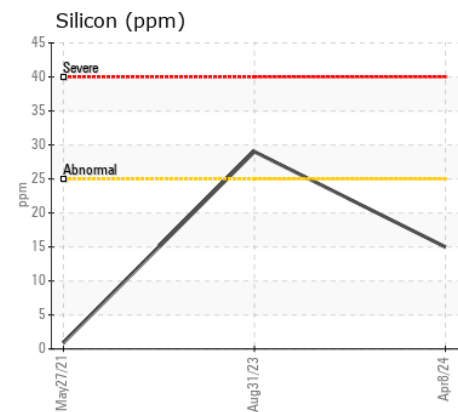
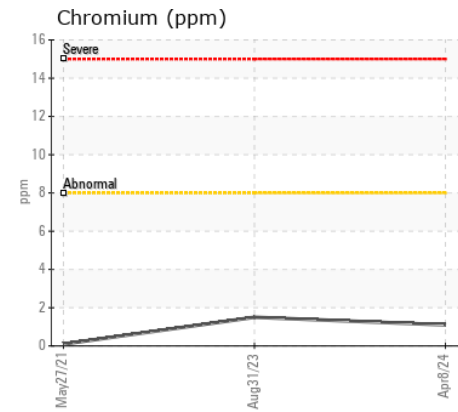
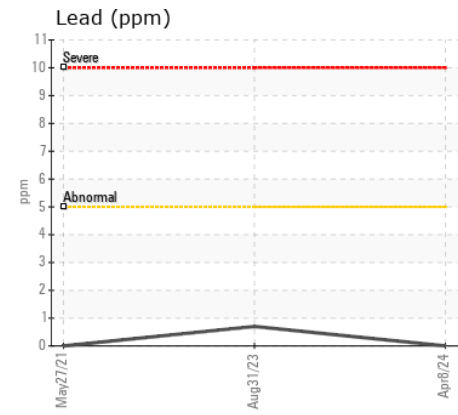
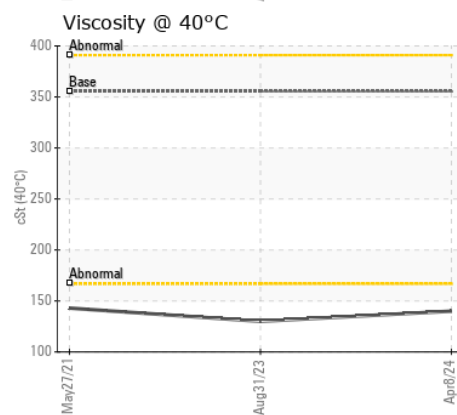
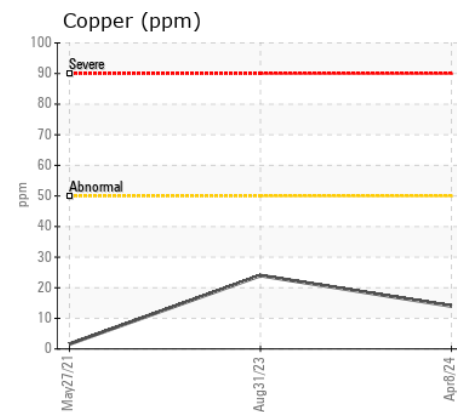
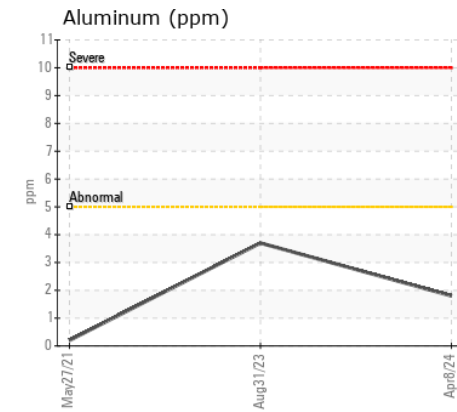
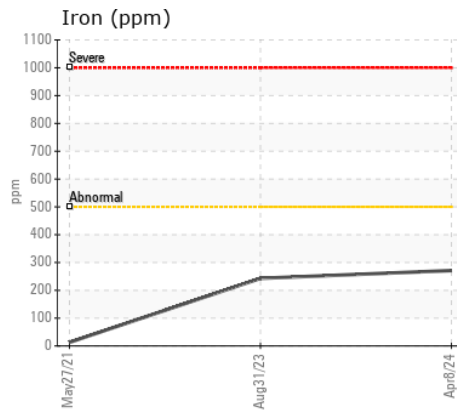
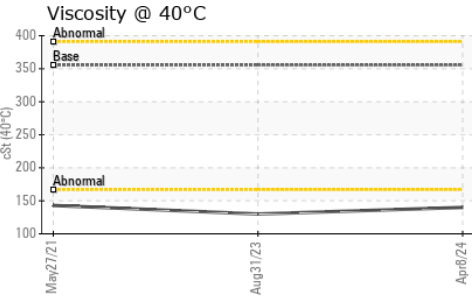
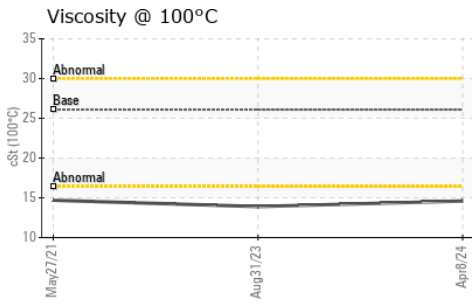
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>15</b>	29	<1
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	3	<1
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	LIGHT
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185(m)		<b>2</b>	3	<1
Boron	ppm	ASTM D5185(m)	243	<b>79</b>	173	47
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Manganese	ppm	ASTM D5185(m)		<b>3</b>	4	<1
Magnesium	ppm	ASTM D5185(m)	0	<b>3</b>	2	1
Calcium	ppm	ASTM D5185(m)	0	<b>12</b>	13	31
Phosphorus	ppm	ASTM D5185(m)	988	<b>701</b>	1003	639
Zinc	ppm	ASTM D5185(m)	0	<b>12</b>	19	3
Sulfur	ppm	ASTM D5185(m)	24530	<b>20709</b>	17586	23830
Visc @ 40°C	cSt	ASTM D7279(m)	355.4	<b>140</b>	130	143
Visc @ 100°C	cSt	ASTM D7279(m)	26.1	<b>14.6</b>	13.9	14.7
Viscosity Index (VI)	Scale	ASTM D2270*	97	<b>103</b>	103	101



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0046363 **Received** : 17 May 2024  
**Lab Number** : 02636395 **Tested** : 17 May 2024  
**Unique Number** : 5785557 **Diagnosed** : 17 May 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.