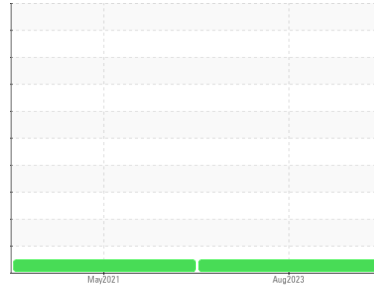




OIL ANALYSIS REPORT

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

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**
Viscosity of sample indicates oil is within SAE 80W90 range, advise investigate. The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION method limit/base current history1 history2

Sample Number	Client Info	PC0050660	PC0047179	---
Sample Date	Client Info	31 Aug 2023	27 May 2021	---
Machine Age	hrs Client Info	5529	0	---
Oil Age	hrs Client Info	0	0	---
Oil Changed	Client Info	N/A	N/A	---
Sample Status		NORMAL	NORMAL	---

WEAR METALS method limit/base current history1 history2

Iron	ppm	ASTM D5185(m)	>500	228	219	---
Chromium	ppm	ASTM D5185(m)	>8	1	2	---
Nickel	ppm	ASTM D5185(m)	>5	<1	2	---
Titanium	ppm	ASTM D5185(m)		<1	0	---
Silver	ppm	ASTM D5185(m)		0	<1	---
Aluminum	ppm	ASTM D5185(m)	>5	3	1	---
Lead	ppm	ASTM D5185(m)	>5	<1	1	---
Copper	ppm	ASTM D5185(m)	>50	23	28	---
Tin	ppm	ASTM D5185(m)		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)	243	164	54	---
Barium	ppm	ASTM D5185(m)	0	0	<1	---
Molybdenum	ppm	ASTM D5185(m)		<1	<1	---
Manganese	ppm	ASTM D5185(m)		4	3	---
Magnesium	ppm	ASTM D5185(m)	0	2	1	---
Calcium	ppm	ASTM D5185(m)	0	13	29	---
Phosphorus	ppm	ASTM D5185(m)	988	973	670	---
Zinc	ppm	ASTM D5185(m)	0	18	21	---
Sulfur	ppm	ASTM D5185(m)	24530	17421	23242	---
Lithium	ppm	ASTM D5185(m)		<1	<1	---

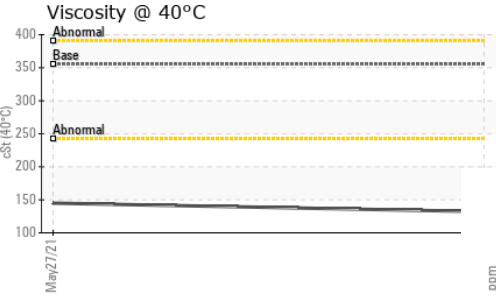
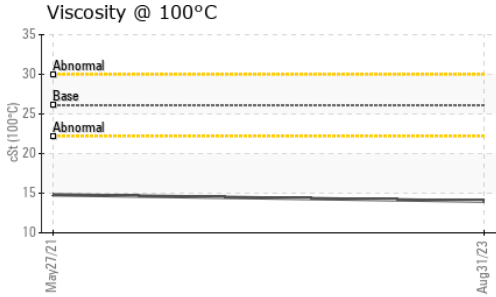
CONTAMINANTS method limit/base current history1 history2

Silicon	ppm	ASTM D5185(m)	>25	27	5	---
Sodium	ppm	ASTM D5185(m)		2	<1	---
Potassium	ppm	ASTM D5185(m)	>20	2	4	---

VISUAL method limit/base current history1 history2

White Metal	scalar	Visual*	NONE	NONE	LTMOD	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	LIGHT	---
Debris	scalar	Visual*	NONE	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---
Free Water	scalar	Visual*		NEG	NEG	---

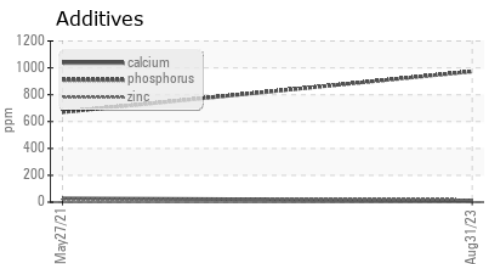
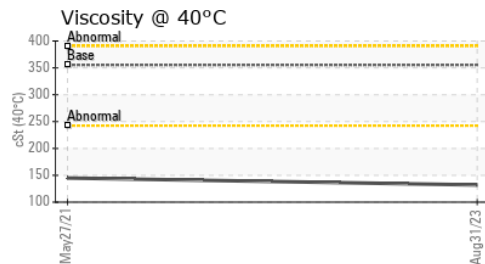
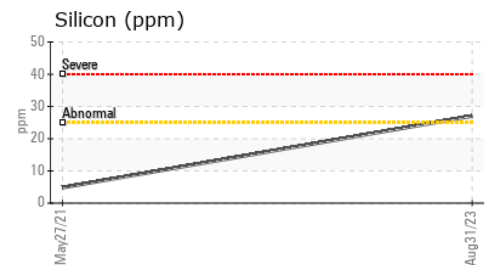
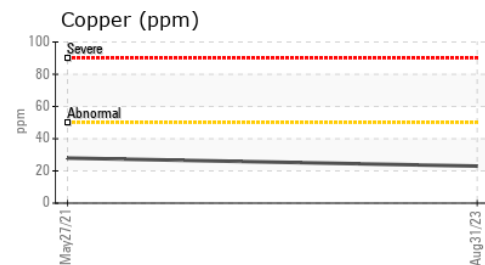
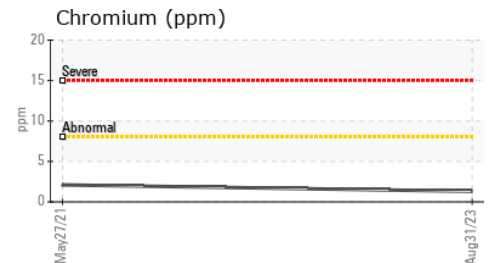
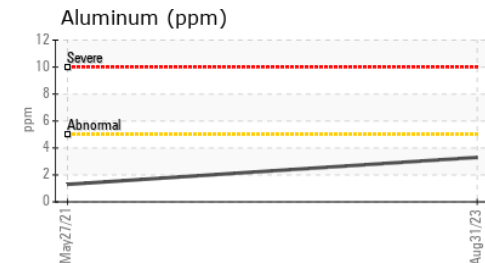
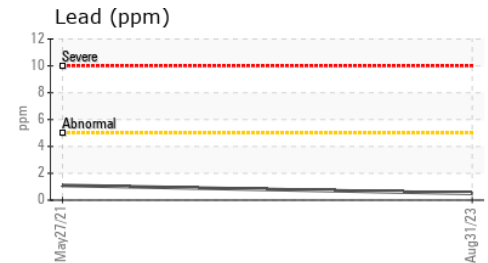
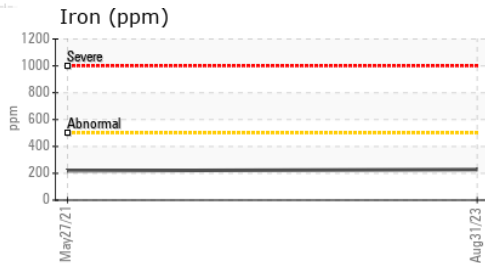
OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	355.4	132	145	---
Visc @ 100°C	cSt	ASTM D7279(m)	26.1	14.0	14.8	---
Viscosity Index (VI)	Scale	ASTM D2270*	97	103	101	---

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. : PC0050660 **Received** : 18 Sep 2023
Lab Number : **02583279** **Diagnosed** : 19 Sep 2023
Unique Number : 5644344 **Diagnostician** : Bill Quesnel
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.

T:
F: