



Area  
**Haul Truck**  
Machine Id  
**HT2404**  
Component  
**Hydraulic System**  
Fluid  
**PETRO CANADA DURATRAN (238 LTR)**

**RECOMMENDATION**

We advise that you check all areas where contaminants can enter the system. We advise that you check for visible metal particles in the oil. We recommend you service the filters on this component. We recommend an early resample to monitor this condition. We suspect that the abnormal contaminant(s) is the result of incorrect sampling technique. **DISCLAIMER:** Interpretation of results is based on the sample as received from the customer. The condition of the sample and the method of sampling cannot be verified. Please contact your representative for information regarding the proper sampling kits for your service. **NOTE:** We recommend using MOB 2 test kits, this testkit includes Particle Count to determine the ISO cleanliness of the fluid.

**WEAR**

Light concentration of visible metal present.

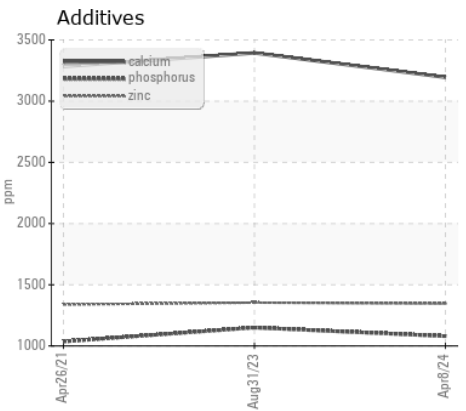
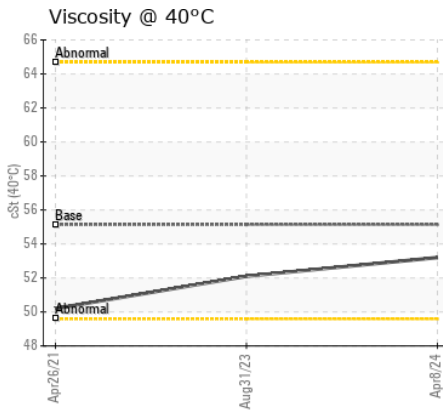
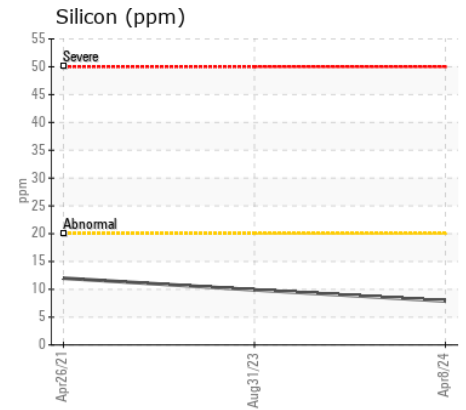
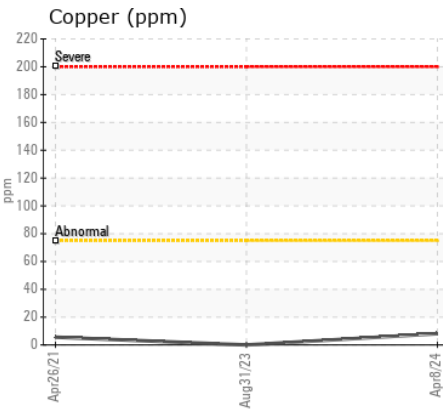
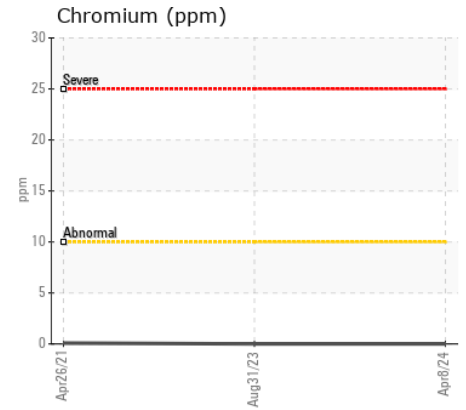
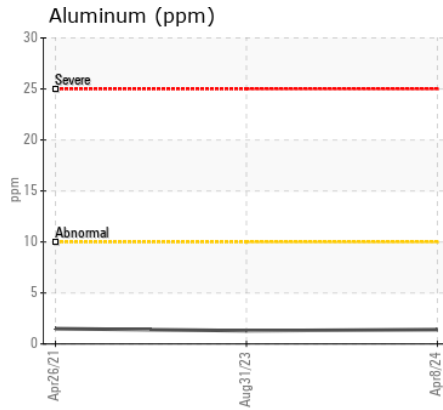
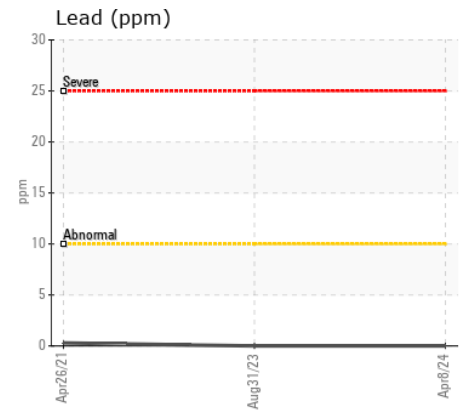
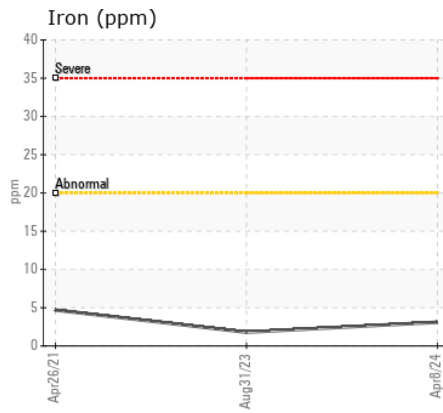
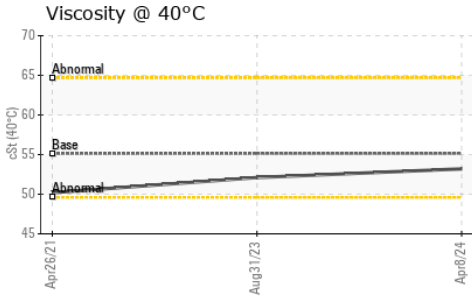
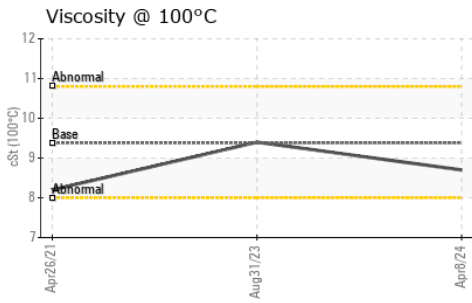
**CONTAMINATION**

Light concentration of visible dirt/debris present in the oil.

**FLUID CONDITION**

The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PC0050724</b>	PC0050654	PC0046598
Sample Date		Client Info		<b>08 Apr 2024</b>	31 Aug 2023	26 Apr 2021
Machine Age	hrs	Client Info		<b>6915</b>	5529	1807
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>ABNORMAL</b>	NORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>20	<b>3</b>	2	5
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185(m)	>10	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185(m)	>10	<b>1</b>	1	2
Lead	ppm	ASTM D5185(m)	>10	<b>0</b>	0	<1
Copper	ppm	ASTM D5185(m)	>75	<b>8</b>	0	6
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>▲ VLITE</b>	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>20	<b>8</b>	10	12
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>VLITE</b>	NONE	NONE
Debris	scalar	Visual*	NONE	<b>▲ VLITE</b>	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	<b>NONE</b>	NONE	VLITE
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	NEG	NEG
Sodium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	7
Boron	ppm	ASTM D5185(m)	110	<b>86</b>	97	96
Barium	ppm	ASTM D5185(m)	0.0	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185(m)	0.0	<b>4</b>	<1	1
Manganese	ppm	ASTM D5185(m)	1	<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185(m)	13	<b>95</b>	20	24
Calcium	ppm	ASTM D5185(m)	3610	<b>3195</b>	3394	3283
Phosphorus	ppm	ASTM D5185(m)	1192	<b>1080</b>	1150	1036
Zinc	ppm	ASTM D5185(m)	1455	<b>1346</b>	1354	1338
Sulfur	ppm	ASTM D5185(m)	2641	<b>2581</b>	2560	2607
Visc @ 40°C	cSt	ASTM D7279(m)	55.14	<b>53.2</b>	52.1	50.2
Visc @ 100°C	cSt	ASTM D7279(m)	9.38	<b>8.7</b>	9.4	8.2
Viscosity Index (VI)	Scale	ASTM D2270*	153	<b>140</b>	165	135



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0050724 **Received** : 21 May 2024  
**Lab Number** : 02636686 **Tested** : 22 May 2024  
**Unique Number** : 5785848 **Diagnosed** : 22 May 2024 - Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: Bottom, BottomAnalysis, FilterPatch, KV100, VI )

**Lakeshore Gold Timmins West**

Timmins, ON  
CA

Contact: Dale Arseneau  
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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.