



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

Machine Id  
**1600 NEWTONVILLE RD, NEWTONVILLE MOB#64-5504181 BELL CANADA U17509L**

Component  
**Left Diesel Engine**

Fluid  
**ESSO XD-3 EXTRA 15W40 (10 LTR)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PN0006159</b>	PN0003506	PN0002214
Sample Date		Client Info		<b>01 May 2024</b>	16 May 2022	19 Mar 2021
Machine Age	hrs	Client Info		<b>175</b>	430	421
Oil Age	hrs	Client Info		<b>0</b>	0	5
Filter Age	hrs	Client Info		<b>0</b>	0	5
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Not Changd</b>	N/A	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>250	<b>4</b>	2	4
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185(m)	>35	<b>2</b>	3	1
Lead	ppm	ASTM D5185(m)	>100	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>60	<b>3</b>	3	10
Tin	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

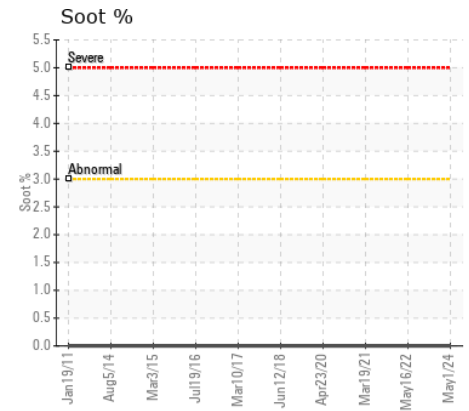
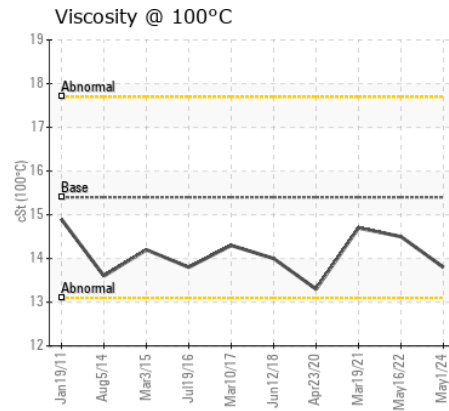
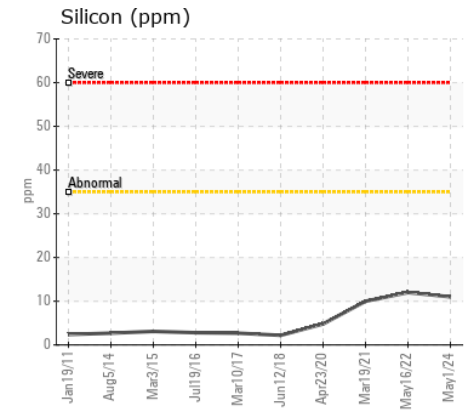
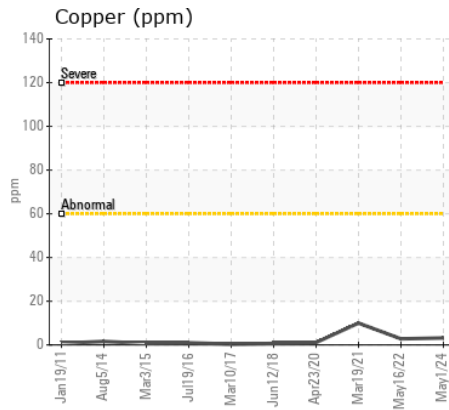
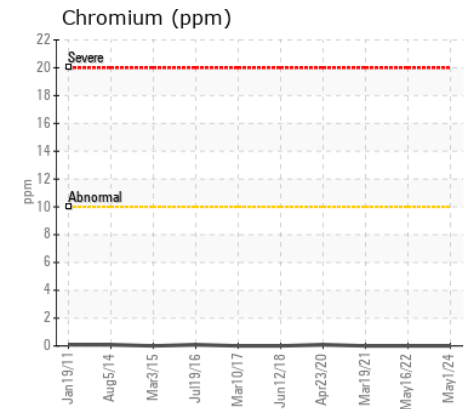
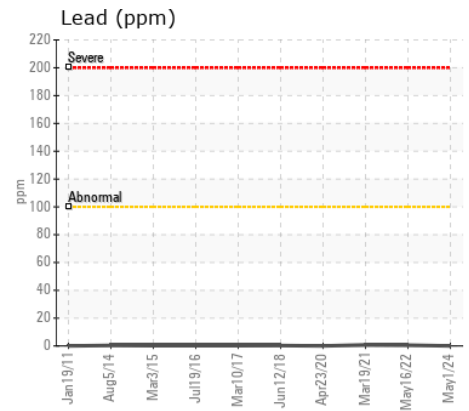
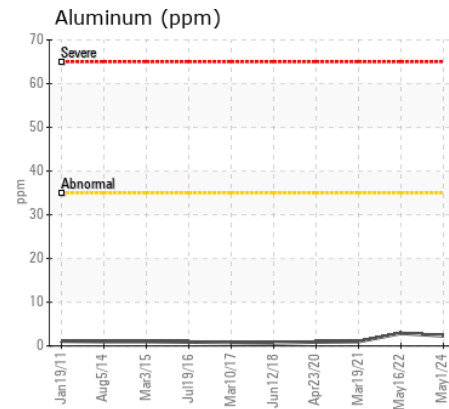
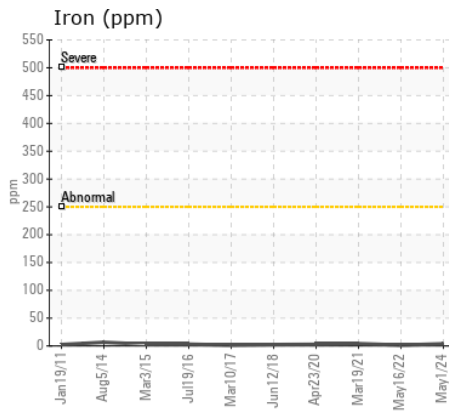
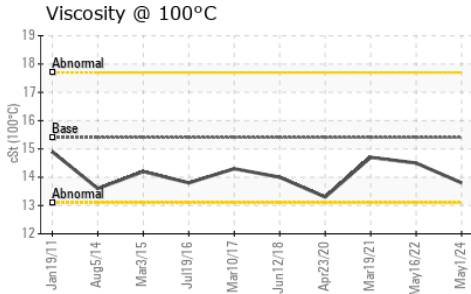
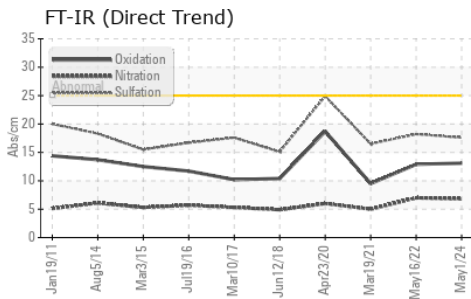
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>35	<b>11</b>	12	10
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	2	4
Fuel		WC Method	>5	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	ASTM D7844*	>3	<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>6.8</b>	7.0	5.0
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>17.6</b>	18.2	16.5
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)	>192	<b>3</b>	3	5
Boron	ppm	ASTM D5185(m)		<b>38</b>	66	10
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185(m)		<b>62</b>	71	6
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185(m)		<b>199</b>	41	68
Calcium	ppm	ASTM D5185(m)	3780	<b>2239</b>	2067	2117
Phosphorus	ppm	ASTM D5185(m)	1370	<b>1002</b>	1028	841
Zinc	ppm	ASTM D5185(m)	1500	<b>1162</b>	1089	1029
Sulfur	ppm	ASTM D5185(m)	3800	<b>3171</b>	3208	3025
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>13.1</b>	12.9	9.5
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	<b>13.8</b>	14.5	14.7



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PN0006159  
**Lab Number** : 02633795  
**Unique Number** : 5774948  
**Test Package** : MOB 1  
**Received** : 07 May 2024  
**Tested** : 07 May 2024  
**Diagnosed** : 07 May 2024 - Kevin Marson

**POWER STATION INC.**  
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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.