



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

Area

**[84389]**

Machine Id

**4 BELLEVUE CRES, TORONTO UNIT #1 BASEMENT BELL CANADA 16VA019339**

Component

**Rear Diesel Engine**

Fluid

**ESSO XD-3 EXTRA SAE 40 (60 LTR)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PN0005837</b>	PN0004327	PN0002624
Sample Date		Client Info		<b>11 Feb 2024</b>	28 Nov 2022	21 Jul 2021
Machine Age	hrs	Client Info		<b>888</b>	864	891
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>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>200	<b>4</b>	3	2
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185(m)	>30	<b>&lt;1</b>	<1	<1
Lead	ppm	ASTM D5185(m)	>30	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>30	<b>1</b>	1	1
Tin	ppm	ASTM D5185(m)	>15	<b>1</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

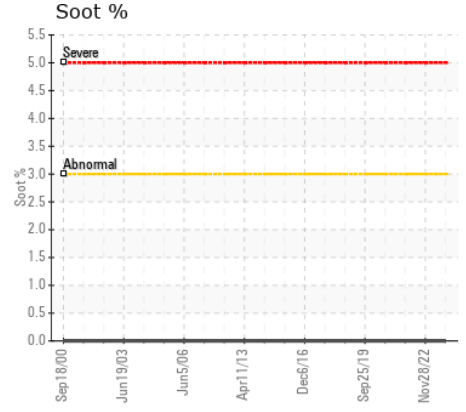
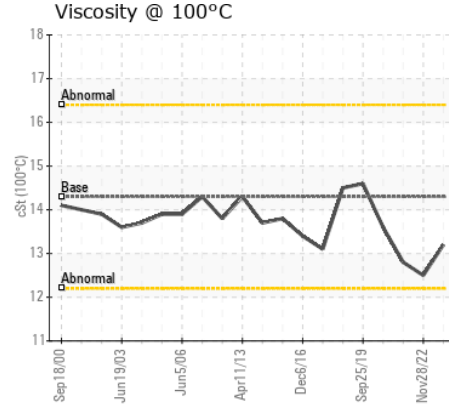
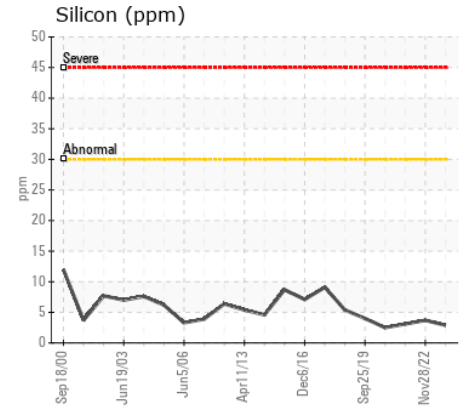
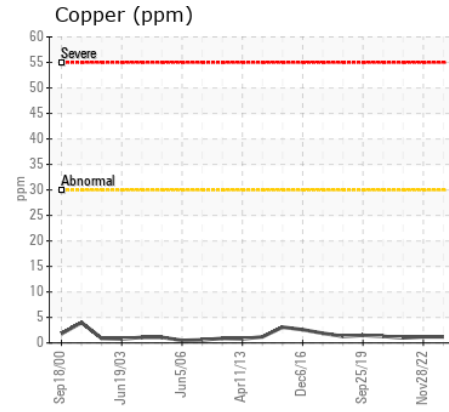
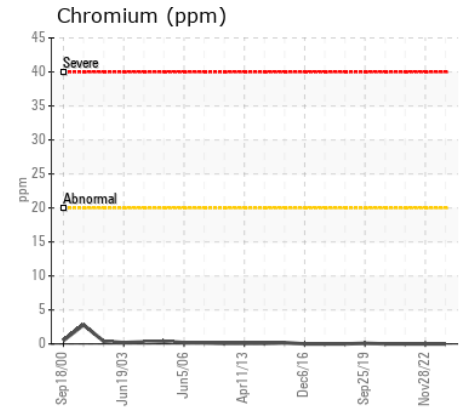
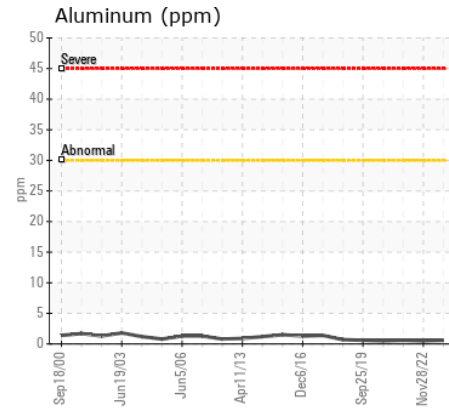
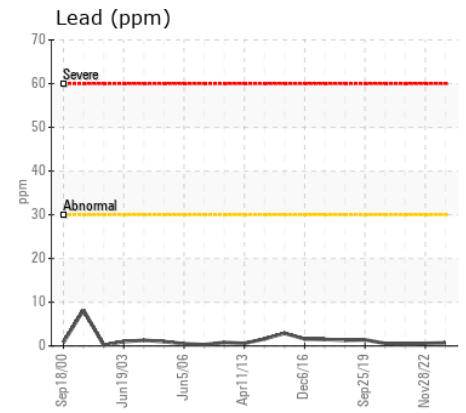
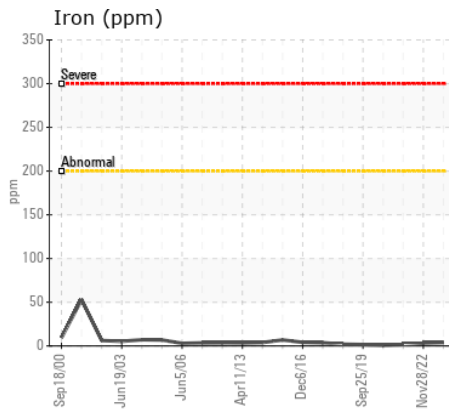
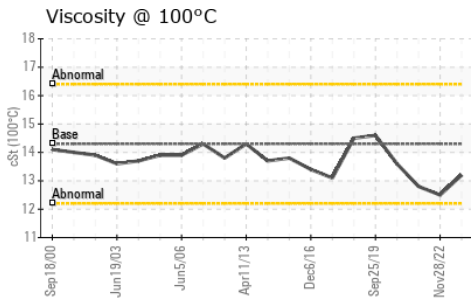
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>30	<b>3</b>	4	3
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	<1
Fuel		WC Method	>3.0	<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>3.3</b>	4.0	3.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>12.9</b>	14.6	13.7
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>5</b>	6	7
Boron	ppm	ASTM D5185(m)		<b>5</b>	12	15
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>4</b>	10	13
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)		<b>638</b>	29	39
Calcium	ppm	ASTM D5185(m)	2550	<b>1800</b>	3535	2888
Phosphorus	ppm	ASTM D5185(m)	1000	<b>964</b>	743	751
Zinc	ppm	ASTM D5185(m)	1120	<b>1065</b>	756	826
Sulfur	ppm	ASTM D5185(m)		<b>2828</b>	2865	2197
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>5.6</b>	5.4	5.6
Visc @ 100°C	cSt	ASTM D7279(m)	14.3	<b>13.2</b>	12.5	12.8



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PN0005837  
**Lab Number** : 02615897  
**Unique Number** : 5733007  
**Test Package** : MOB 1  
**Received** : 15 Feb 2024  
**Tested** : 15 Feb 2024  
**Diagnosed** : 15 Feb 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.