



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

Machine Id  
**1138 BATHURST ST BUNN BUILDING TTC-SURFACE 3020C000297**

Component  
**Left Natural Gas Engine**

Fluid  
**ESSO XD-3 EXTRA 15W40 (120 LTR)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PN0004778</b>	PN0004995	---
Sample Date		Client Info		<b>12 May 2024</b>	09 Jul 2023	---
Machine Age	hrs	Client Info		<b>57</b>	42	---
Oil Age	hrs	Client Info		<b>15</b>	0	---
Filter Age	hrs	Client Info		<b>15</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	N/A	---
Filter Changed		Client Info		<b>Changed</b>	N/A	---
Sample Status				<b>NORMAL</b>	NORMAL	---

**WEAR**

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>50	<b>2</b>	6	---
Chromium	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185(m)	>2	<b>0</b>	0	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>9	<b>&lt;1</b>	4	---
Lead	ppm	ASTM D5185(m)	>30	<b>&lt;1</b>	4	---
Copper	ppm	ASTM D5185(m)	>35	<b>6</b>	23	---
Tin	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---

**CONTAMINATION**

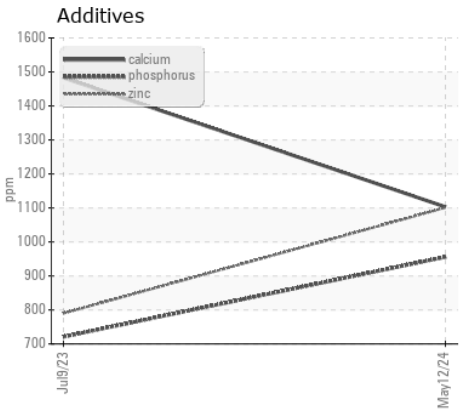
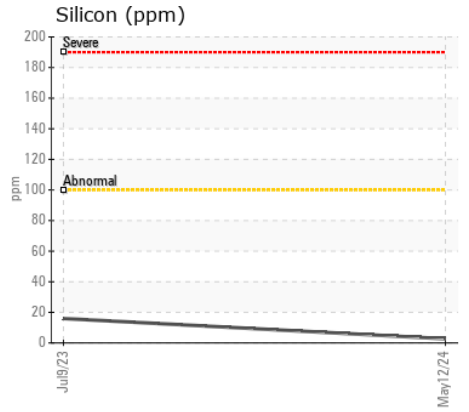
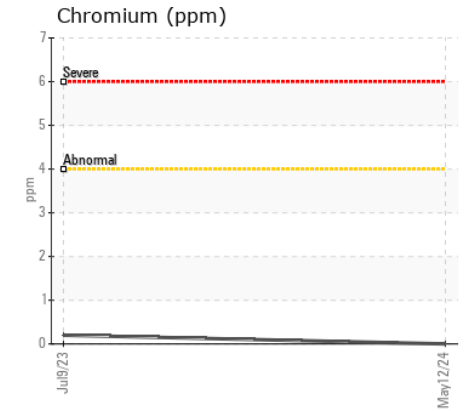
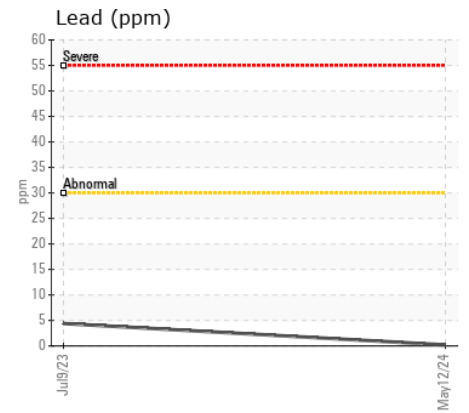
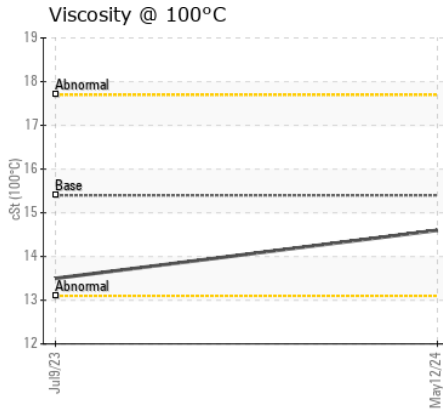
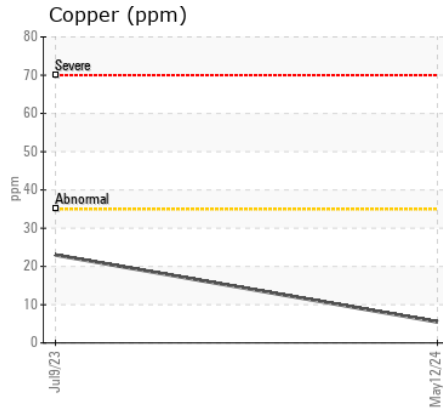
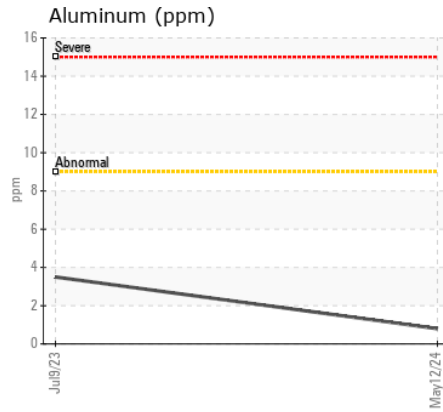
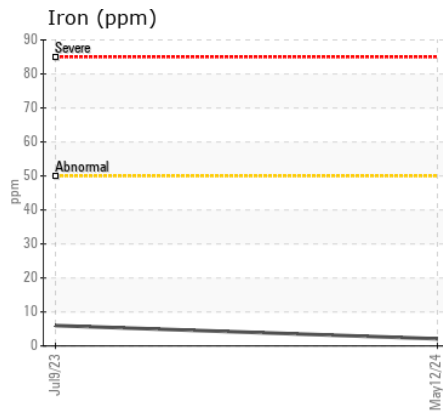
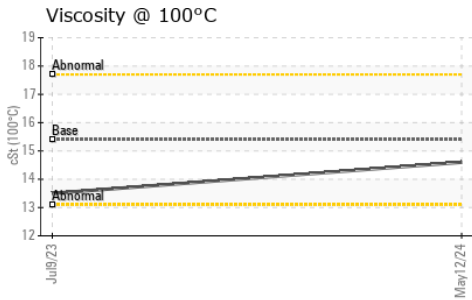
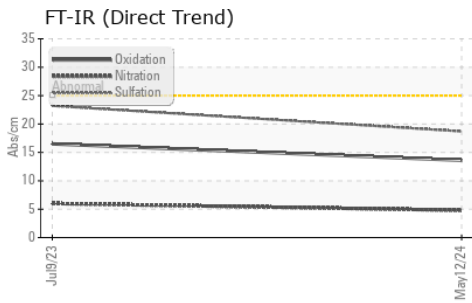
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>+100	<b>3</b>	16	---
Potassium	ppm	ASTM D5185(m)	>20	<b>4</b>	2	---
Water		WC Method	>0.1	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>---</b>	0.0	---
Soot %	%	ASTM D7844*		<b>0</b>	0	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>4.8</b>	6.0	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>18.7</b>	23.2	---
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	NEG	---

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185(m)	>192	<b>6</b>	26	---
Boron	ppm	ASTM D5185(m)		<b>45</b>	303	---
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	4	---
Molybdenum	ppm	ASTM D5185(m)		<b>66</b>	112	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185(m)		<b>914</b>	648	---
Calcium	ppm	ASTM D5185(m)	3780	<b>1103</b>	1483	---
Phosphorus	ppm	ASTM D5185(m)	1370	<b>956</b>	721	---
Zinc	ppm	ASTM D5185(m)	1500	<b>1101</b>	790	---
Sulfur	ppm	ASTM D5185(m)	3800	<b>2508</b>	2050	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>13.6</b>	16.5	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	<b>14.6</b>	13.5	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PN0004778  
**Lab Number** : 02636547  
**Unique Number** : 5785709  
**Test Package** : MOB 1  
**Received** : 21 May 2024  
**Tested** : 21 May 2024  
**Diagnosed** : 21 May 2024 - Wes Davis

**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.