



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

Machine Id  
**477 RICHMOND ST W, TORONTO PENTHOUSE MTCC 1046 16114205**

Component  
**Right Diesel Engine**

Fluid  
**ESSO XD-3 EXTRA 15W40 (40 LTR)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PN0005767</b>	PN0004547	PN0003388
Sample Date		Client Info		<b>15 Feb 2024</b>	02 Feb 2023	24 Feb 2022
Machine Age	hrs	Client Info		<b>308</b>	293	281
Oil Age	hrs	Client Info		<b>0</b>	13	15
Filter Age	hrs	Client Info		<b>0</b>	13	15
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)	>90	<b>1</b>	1	<1
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>2	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	0
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>2</b>	3	2
Lead	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>330	<b>1</b>	1	1
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

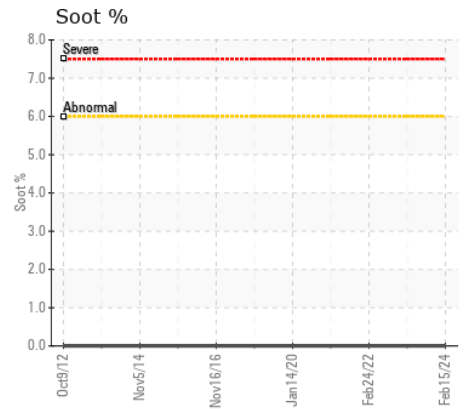
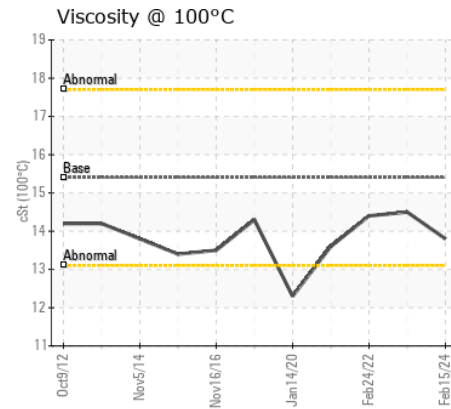
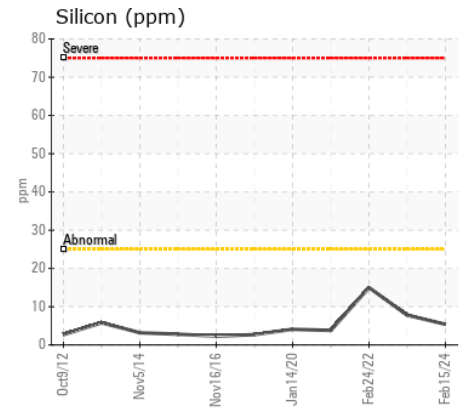
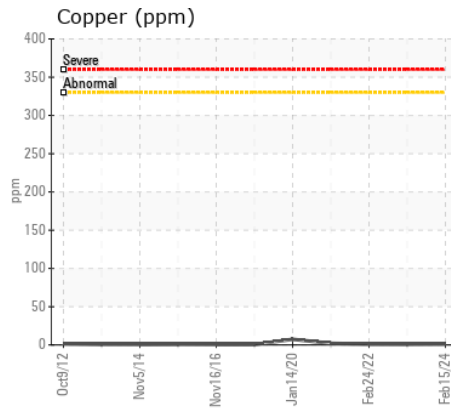
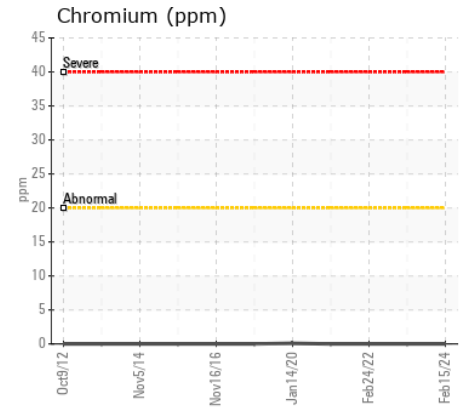
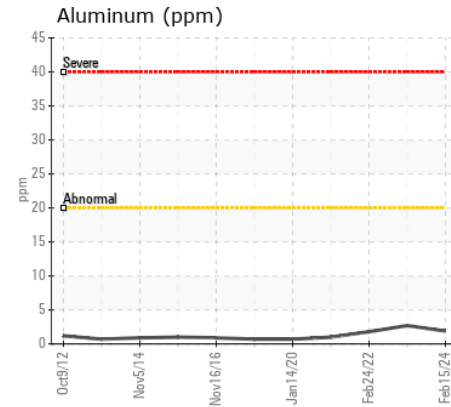
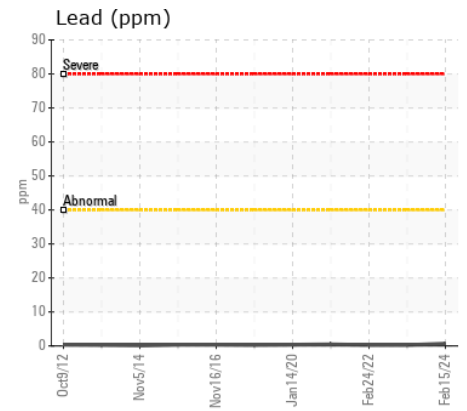
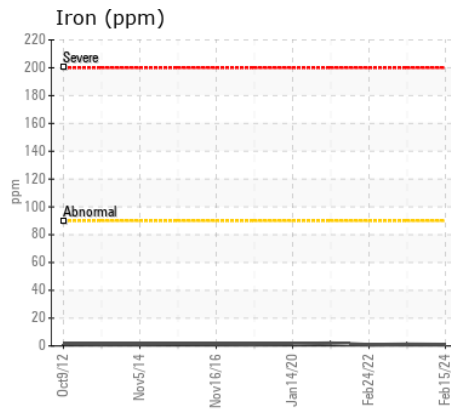
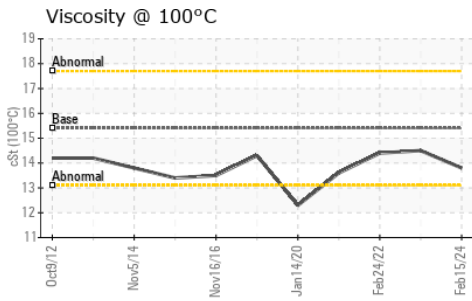
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>5</b>	8	15
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*	>6	<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>6.0</b>	7.1	3.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>17.0</b>	18.6	13.6
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>1</b>	3	2
Boron	ppm	ASTM D5185(m)		<b>57</b>	77	51
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>45</b>	86	53
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)		<b>331</b>	26	46
Calcium	ppm	ASTM D5185(m)	3780	<b>1772</b>	2152	1427
Phosphorus	ppm	ASTM D5185(m)	1370	<b>1016</b>	1114	676
Zinc	ppm	ASTM D5185(m)	1500	<b>1110</b>	1172	763
Sulfur	ppm	ASTM D5185(m)	3800	<b>3237</b>	3407	2170
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>12.2</b>	13.1	6.5
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	<b>13.8</b>	14.5	14.4



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PN0005767  
**Lab Number** : 02616976  
**Unique Number** : 5734086  
**Test Package** : MOB 1  
**Received** : 21 Feb 2024  
**Tested** : 22 Feb 2024  
**Diagnosed** : 22 Feb 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.