



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

Machine Id  
**299 WALKER DR BRAMPTON UNIT #1 BASEMENT BELL CANADA EST01250**

Component  
**Rear Diesel Engine**

Fluid  
**ESSO XD-3 EXTRA 15W40 (70 LTR)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PN0005691</b>	PN0004687	PN0003431
Sample Date		Client Info		<b>09 Feb 2024</b>	05 Apr 2023	24 Mar 2022
Machine Age	hrs	Client Info		<b>292</b>	283	252
Oil Age	hrs	Client Info		<b>9</b>	0	0
Filter Age	hrs	Client Info		<b>9</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)	>100	<b>&lt;1</b>	2	1
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	<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)	>25	<b>2</b>	3	2
Lead	ppm	ASTM D5185(m)	>40	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	1	1
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

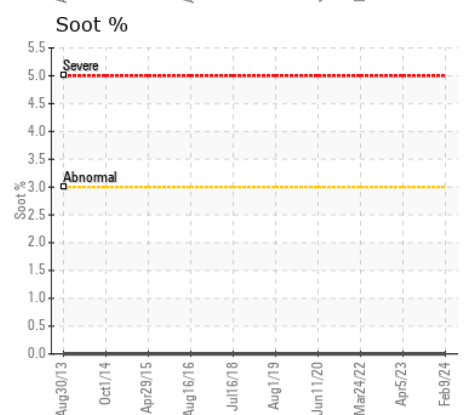
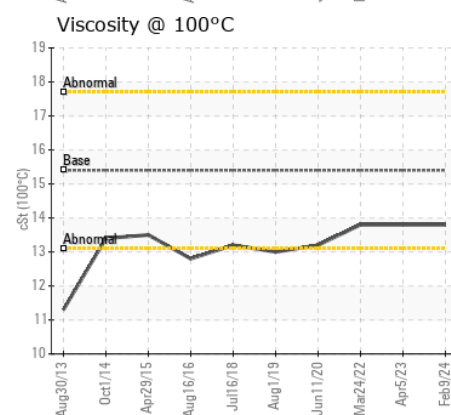
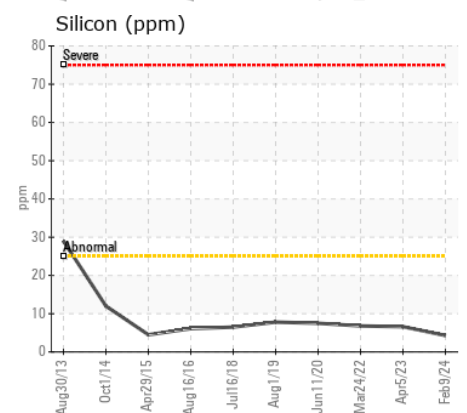
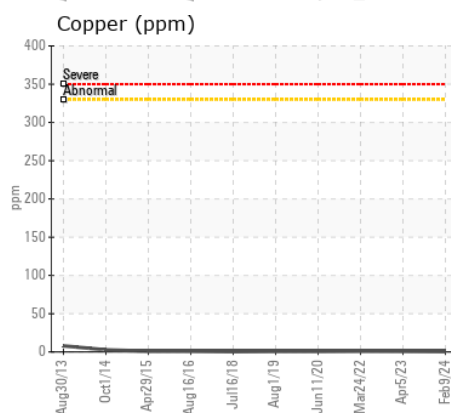
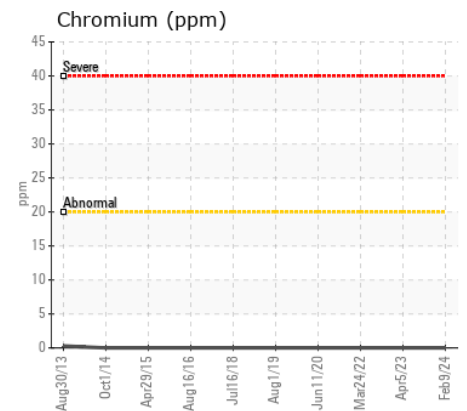
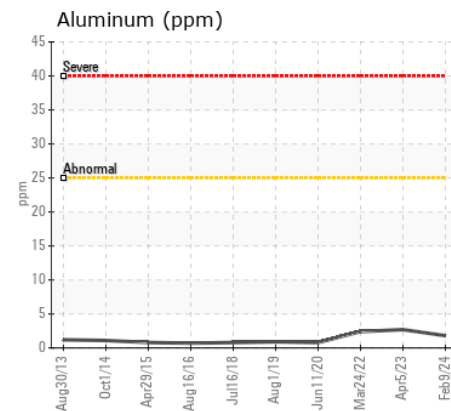
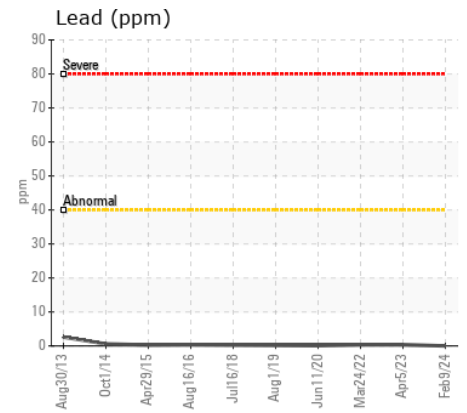
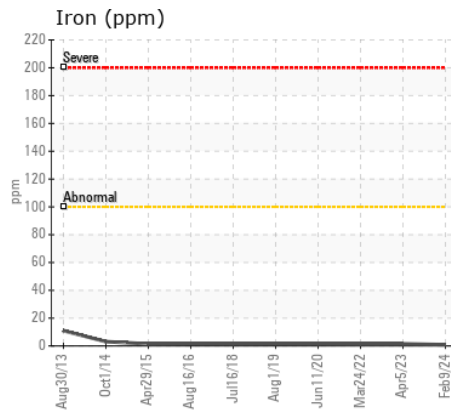
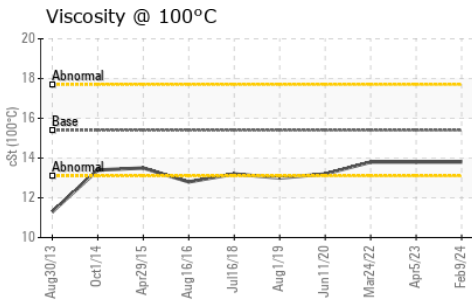
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>4</b>	7	7
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	<1
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>5.4</b>	4.5	3.8
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>17.5</b>	16.4	14.3
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>&lt;1</b>	3	2
Boron	ppm	ASTM D5185(m)		<b>36</b>	72	77
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>56</b>	86	86
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)		<b>621</b>	35	103
Calcium	ppm	ASTM D5185(m)	3780	<b>1449</b>	2249	2121
Phosphorus	ppm	ASTM D5185(m)	1370	<b>1024</b>	1094	1092
Zinc	ppm	ASTM D5185(m)	1500	<b>1132</b>	1150	1180
Sulfur	ppm	ASTM D5185(m)	3800	<b>3043</b>	3358	3243
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>13.0</b>	7.2	7.0
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	<b>13.8</b>	13.8	13.8



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PN0005691  
**Lab Number** : 02615903  
**Unique Number** : 5733013  
**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.