



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

Machine Id  
**444 MILLARD AVE NEWMARKET 512304 BELL CANADA 12VA085753**

Component  
**Right Diesel Engine**

Fluid  
**ESSO XD-3 EXTRA SAE 40 (35 LTR)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PN0005904</b>	PN0004366	PN0003368
Sample Date		Client Info		<b>04 Mar 2024</b>	20 Mar 2023	11 Mar 2022
Machine Age	kms	Client Info		<b>781</b>	766	748
Oil Age	kms	Client Info		<b>16</b>	0	0
Filter Age	kms	Client Info		<b>16</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Chngd	Changed
Filter Changed		Client Info		<b>Changed</b>	Not Chngd	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>2</b>	3	3
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Lead	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	4	<1
Copper	ppm	ASTM D5185(m)	>330	<b>2</b>	2	2
Tin	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

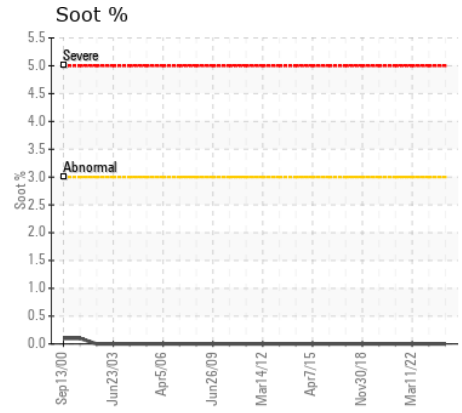
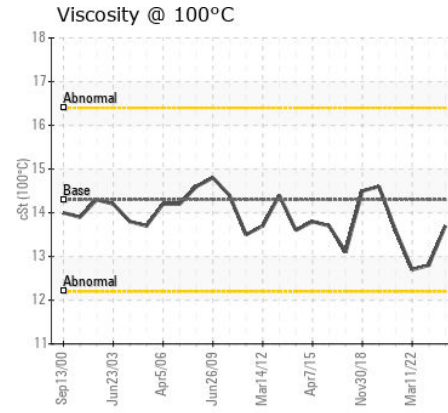
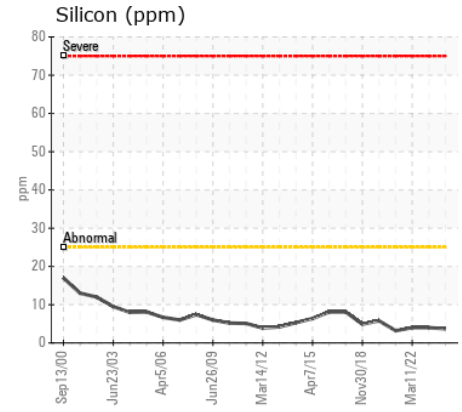
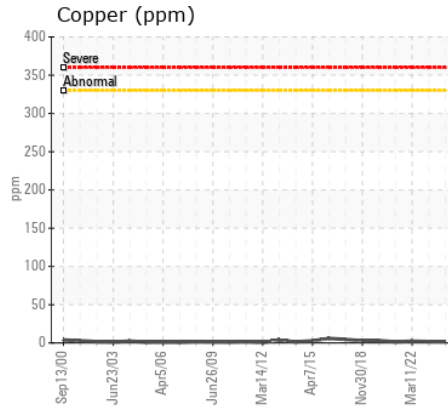
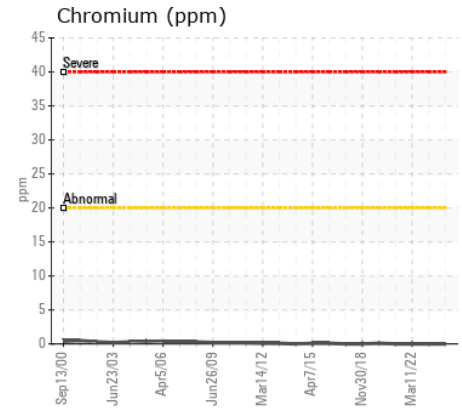
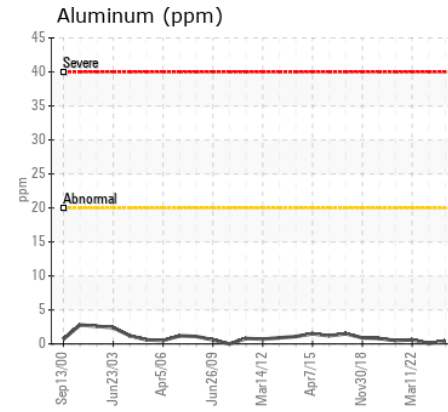
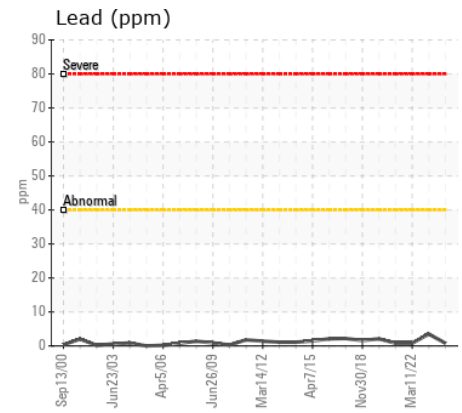
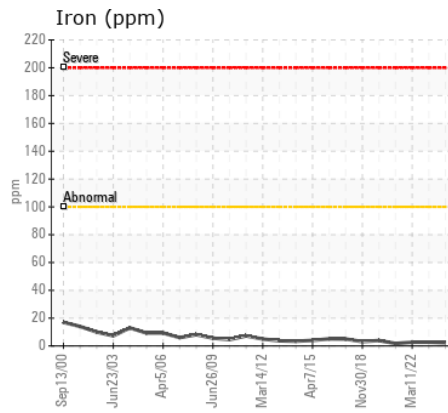
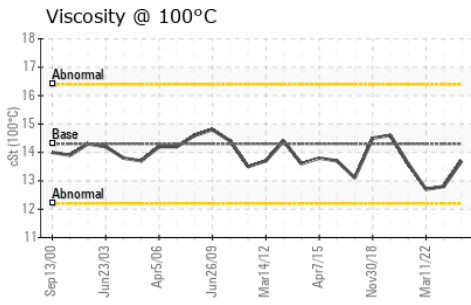
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>4</b>	4	4
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	1	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>3.1</b>	3.9	3.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>12.6</b>	16.1	14.6
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)		<b>5</b>	9	13
Boron	ppm	ASTM D5185(m)		<b>4</b>	13	12
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>3</b>	11	9
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Magnesium	ppm	ASTM D5185(m)		<b>662</b>	68	47
Calcium	ppm	ASTM D5185(m)	2550	<b>1668</b>	3545	2884
Phosphorus	ppm	ASTM D5185(m)	1000	<b>974</b>	783	788
Zinc	ppm	ASTM D5185(m)	1120	<b>1071</b>	781	852
Sulfur	ppm	ASTM D5185(m)		<b>2659</b>	2394	2234
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>5.6</b>	5.5	5.5
Visc @ 100°C	cSt	ASTM D7279(m)	14.3	<b>13.7</b>	12.8	12.7



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PN0005904  
**Lab Number** : 02620454  
**Unique Number** : 5737564  
**Test Package** : MOB 1  
**Received** : 07 Mar 2024  
**Tested** : 07 Mar 2024  
**Diagnosed** : 07 Mar 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.