



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

Area  
**[85731]**  
 Machine Id  
**SIX MILE LAKE RR PORT SEVERN NEXACOR NEXACOR**  
 Component  
**Right Diesel Engine**  
 Fluid  
**ESSO XD-3 EXTRA 15W40 (15 LTR)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PN0005955</b>	PN0004380	PN0003496
Sample Date		Client Info		<b>17 Apr 2024</b>	09 Feb 2023	04 Apr 2022
Machine Age	hrs	Client Info		<b>929</b>	855	164
Oil Age	hrs	Client Info		<b>72</b>	26	0
Filter Age	hrs	Client Info		<b>72</b>	26	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>3</b>	3	4
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>30	<b>0</b>	<1	<1
Lead	ppm	ASTM D5185(m)	>30	<b>0</b>	<1	1
Copper	ppm	ASTM D5185(m)	>30	<b>1</b>	1	2
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE	---

**CONTAMINATION**

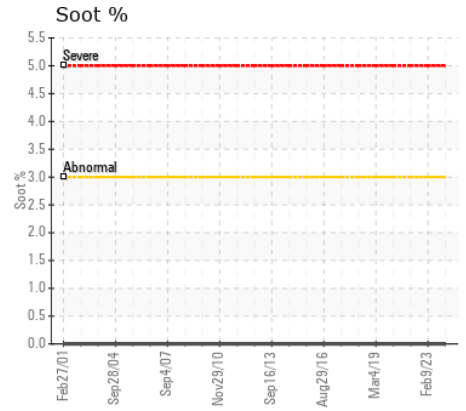
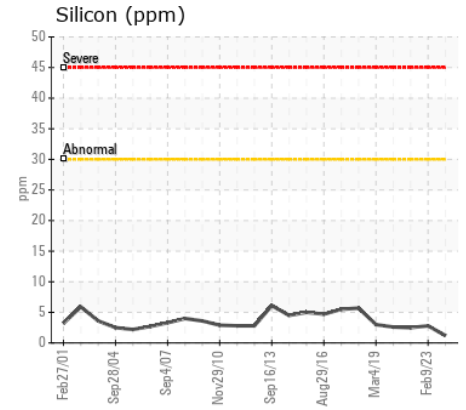
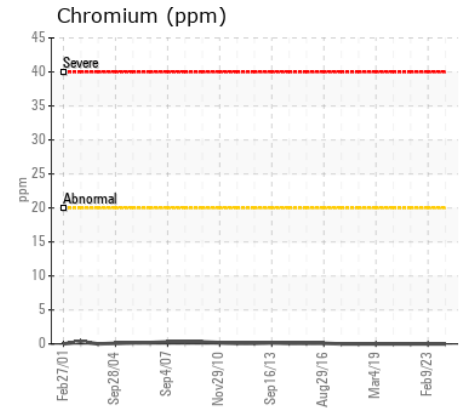
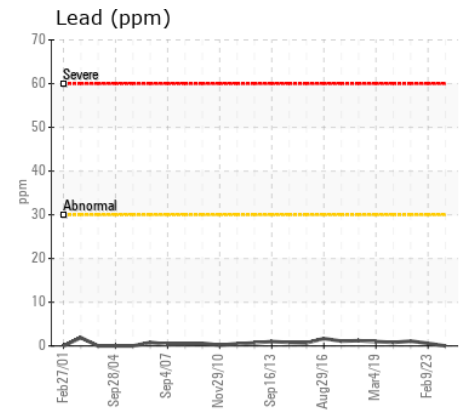
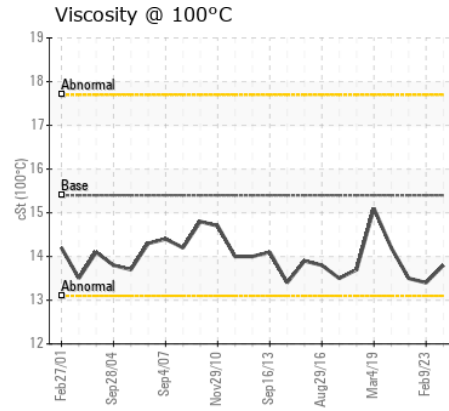
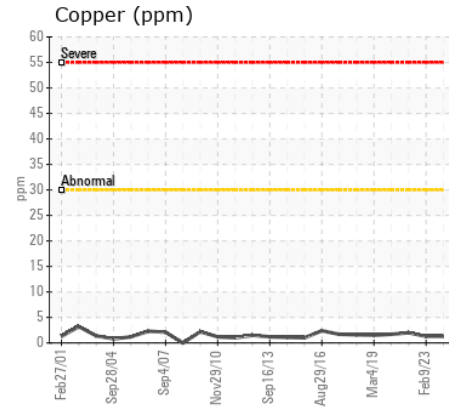
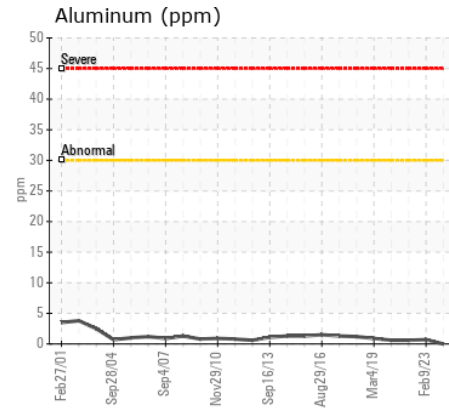
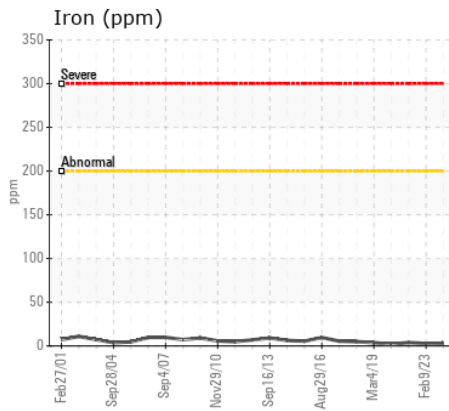
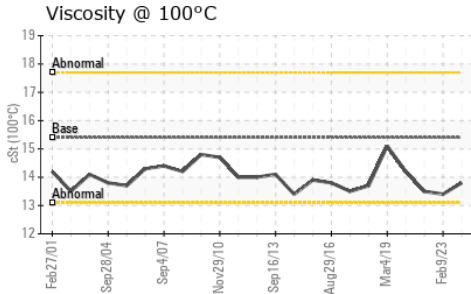
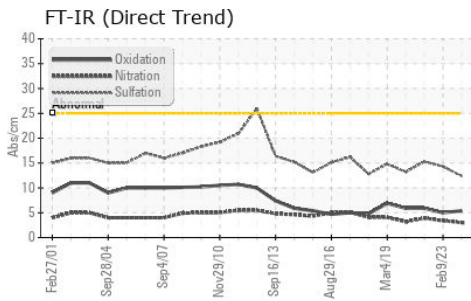
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>30	<b>1</b>	3	2
Potassium	ppm	ASTM D5185(m)	>20	<b>0</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>3.0</b>	3.4	3.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>12.4</b>	14.3	15.3
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	Visual*	NONE	<b>VLITE</b>	NONE	---
Appearance	scalar	Visual*	NORML	<b>NORML</b>	NORML	---
Odor	scalar	Visual*	NORML	<b>NORML</b>	NORML	NORML
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>3</b>	7	17
Boron	ppm	ASTM D5185(m)		<b>3</b>	22	16
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>2</b>	22	16
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)		<b>735</b>	49	33
Calcium	ppm	ASTM D5185(m)	3780	<b>1485</b>	3350	3102
Phosphorus	ppm	ASTM D5185(m)	1370	<b>917</b>	805	746
Zinc	ppm	ASTM D5185(m)	1500	<b>1048</b>	817	813
Sulfur	ppm	ASTM D5185(m)	3800	<b>2364</b>	2503	2285
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>5.4</b>	5.0	5.9
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	<b>13.8</b>	13.4	13.5



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PN0005955  
**Lab Number** : 02631520  
**Unique Number** : 5772673  
**Test Package** : MOB 1 ( Additional Tests: Visual )

**Received** : 26 Apr 2024  
**Tested** : 26 Apr 2024  
**Diagnosed** : 26 Apr 2024 - Wes Davis

**POWER STATION INC.**  
 1050 JAYSON COURT  
 MISSISSAUGA, ON  
 CA L4W 2V5  
 Contact: Ryan Udall  
 rudall@pwrstn.com  
 T: (905)565-1621  
 F: (905)629-1499

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.