



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

Area  
**[85132]**  
 Machine Id  
**CLEARFORD CLEARFORD**  
 Component  
**Right Diesel Engine**  
 Fluid  
**ESSO XD-3 EXTRA SAE 40 (12 LTR)**

**RECOMMENDATION**

Confirm the source of the lubricant being utilized for top-up/fill.  
 Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PN0005927</b>	---	---
Sample Date		Client Info		<b>31 Mar 2024</b>	---	---
Machine Age	mls	Client Info		<b>63</b>	---	---
Oil Age	mls	Client Info		<b>0</b>	---	---
Filter Age	mls	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>Changed</b>	---	---
Filter Changed		Client Info		<b>Changed</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

**WEAR**

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>100	<b>27</b>	---	---
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	---	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	---	---
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	---	---
Aluminum	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	---	---
Lead	ppm	ASTM D5185(m)	>40	<b>2</b>	---	---
Copper	ppm	ASTM D5185(m)	>330	<b>6</b>	---	---
Tin	ppm	ASTM D5185(m)	>15	<b>1</b>	---	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---	---

**CONTAMINATION**

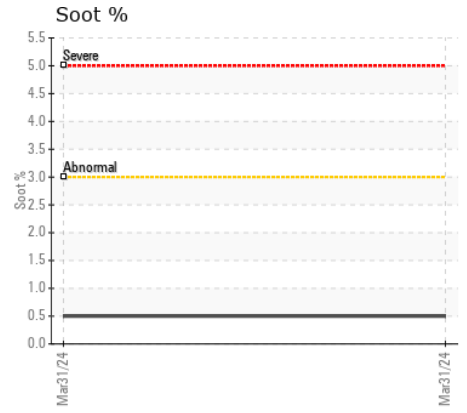
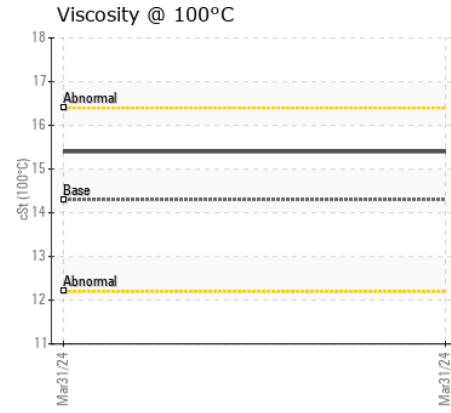
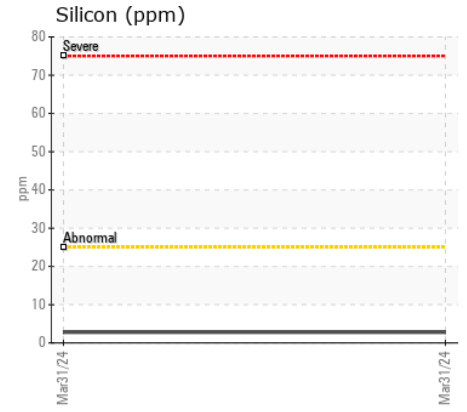
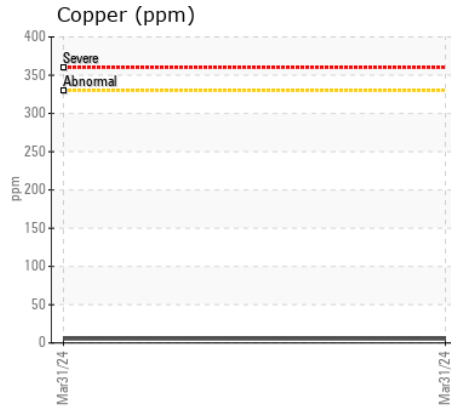
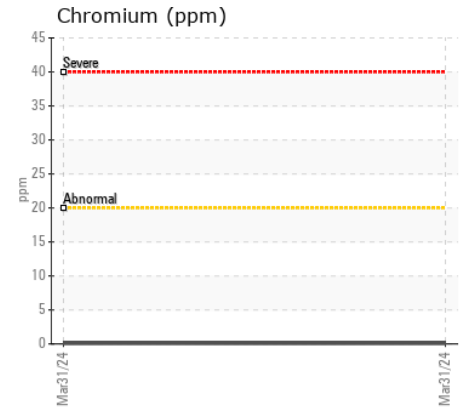
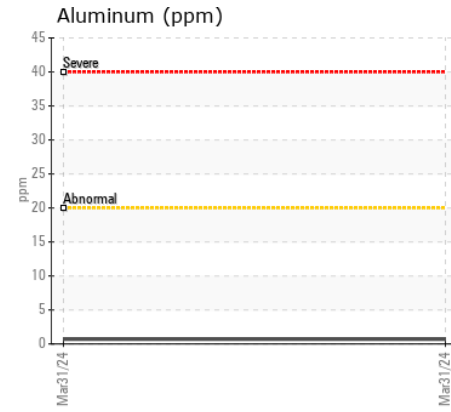
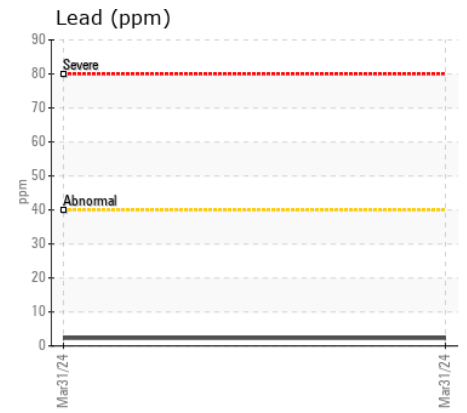
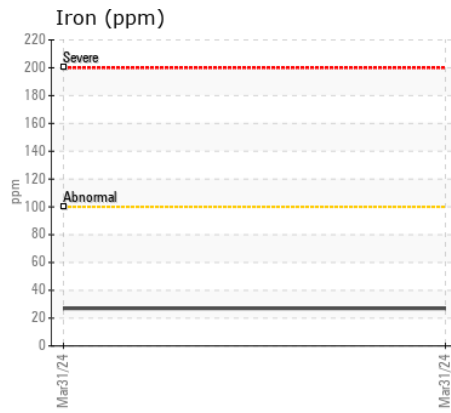
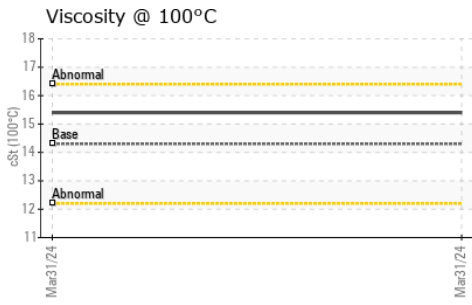
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>3</b>	---	---
Potassium	ppm	ASTM D5185(m)	>20	<b>5</b>	---	---
Fuel		WC Method	>5	<b>&lt;1.0</b>	---	---
Water		WC Method	>0.2	<b>NEG</b>	---	---
Glycol		WC Method		<b>NEG</b>	---	---
Soot %	%	ASTM D7844*	>3	<b>0.5</b>	---	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>5.4</b>	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>18.8</b>	---	---
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	---	---

**FLUID CONDITION**

Additive levels indicate the addition of a different brand, or type of oil.  
 The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		<b>4</b>	---	---
Boron	ppm	ASTM D5185(m)		<b>36</b>	---	---
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---	---
Molybdenum	ppm	ASTM D5185(m)		<b>3</b>	---	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	---	---
Magnesium	ppm	ASTM D5185(m)		<b>16</b>	---	---
Calcium	ppm	ASTM D5185(m)	2550	<b>2225</b>	---	---
Phosphorus	ppm	ASTM D5185(m)	1000	<b>938</b>	---	---
Zinc	ppm	ASTM D5185(m)	1120	<b>1079</b>	---	---
Sulfur	ppm	ASTM D5185(m)		<b>3083</b>	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>15.2</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.3	<b>15.4</b>	---	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PN0005927  
**Lab Number** : 02625647  
**Unique Number** : 5750766  
**Test Package** : MOB 1  
**Received** : 01 Apr 2024  
**Tested** : 01 Apr 2024  
**Diagnosed** : 01 Apr 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.