



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

Machine Id  
**STONEBROOK ESTATES FLAMBOROUGH CLEARFORD CLEARFORD**

Component  
**Left Diesel Engine**

Fluid  
**ESSO XD-3 EXTRA 15W40 (20 LTR)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PN0006072</b>	PN0004759	PN0003502
Sample Date		Client Info		<b>27 May 2024</b>	11 May 2023	03 Apr 2022
Machine Age	hrs	Client Info		<b>48</b>	47	47
Oil Age	hrs	Client Info		<b>1</b>	0	1
Filter Age	hrs	Client Info		<b>1</b>	0	1
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)	>51	<b>10</b>	6	72
Chromium	ppm	ASTM D5185(m)	>11	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>0</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)	>31	<b>7</b>	6	60
Lead	ppm	ASTM D5185(m)	>26	<b>4</b>	2	26
Copper	ppm	ASTM D5185(m)	>26	<b>5</b>	5	22
Tin	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	13
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	<1

**CONTAMINATION**

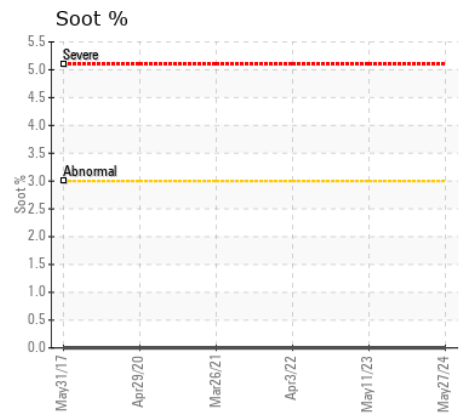
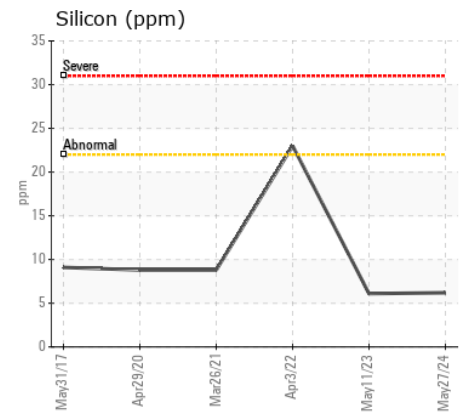
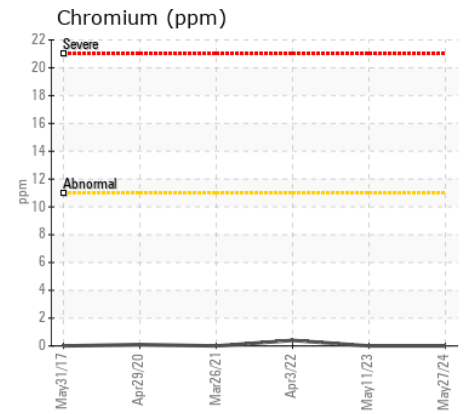
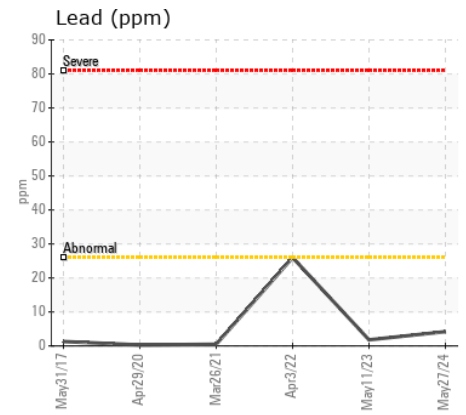
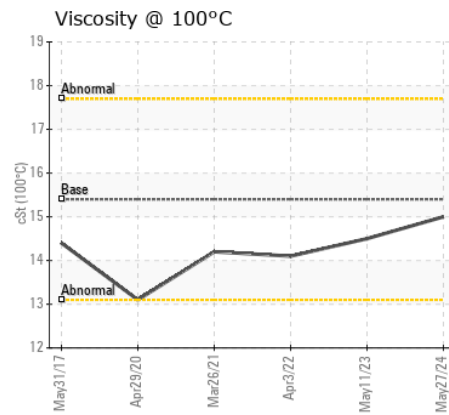
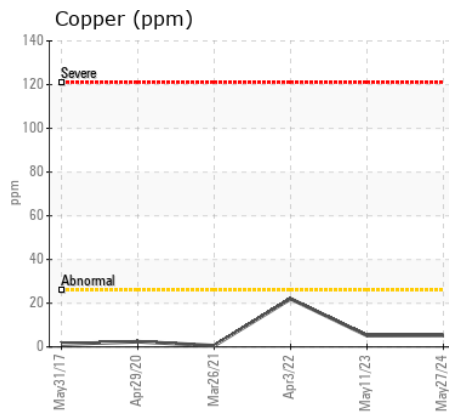
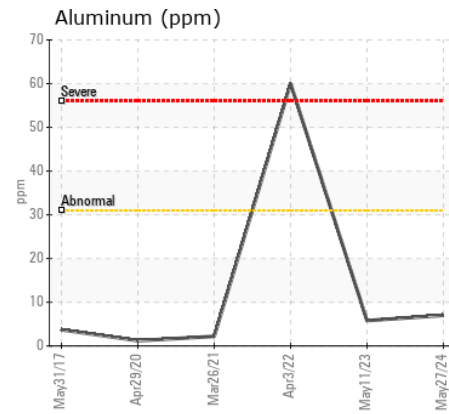
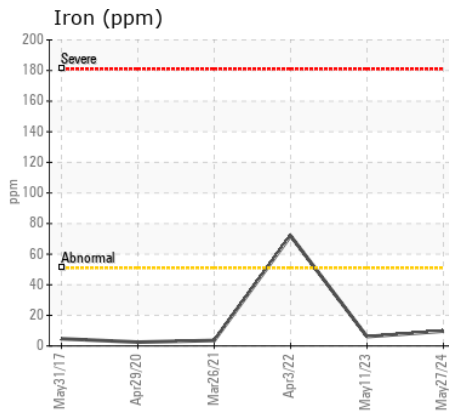
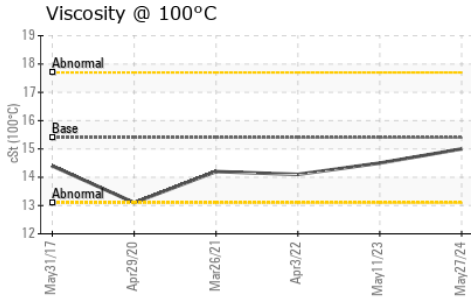
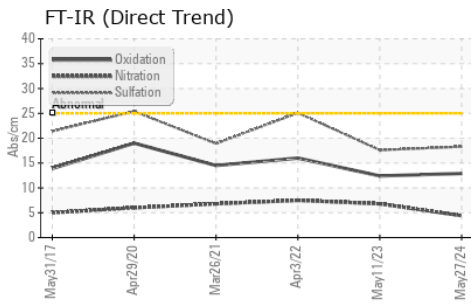
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>22	<b>6</b>	6	23
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	1
Fuel		WC Method	>2.1	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.21	<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>4.4</b>	6.8	7.5
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>18.3</b>	17.6	25.1
Emulsified Water	scalar	Visual*	>0.21	<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>2</b>	2	5
Boron	ppm	ASTM D5185(m)		<b>7</b>	74	60
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>59</b>	84	90
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	2
Magnesium	ppm	ASTM D5185(m)		<b>916</b>	32	52
Calcium	ppm	ASTM D5185(m)	3780	<b>1112</b>	2236	2419
Phosphorus	ppm	ASTM D5185(m)	1370	<b>1041</b>	1080	1199
Zinc	ppm	ASTM D5185(m)	1500	<b>1174</b>	1141	1299
Sulfur	ppm	ASTM D5185(m)	3800	<b>2660</b>	3185	4042
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>12.9</b>	12.4	16.0
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	<b>15.0</b>	14.5	14.1



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PN0006072  
**Lab Number** : 02638821  
**Unique Number** : 5787983  
**Test Package** : MOB 1  
**Received** : 30 May 2024  
**Tested** : 30 May 2024  
**Diagnosed** : 30 May 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.