



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

Area

[85592]

Machine Id

11450 HURONTARIO ST. SNELGROVE BELL CANADA FSE03761

Component

Right Diesel Engine

Fluid

ESSO XD-3 EXTRA 15W40 (60 LTR)

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PN0006047</b>	PN0004287	PN0002341
Sample Date		Client Info		<b>09 Apr 2024</b>	17 Nov 2022	06 Apr 2021
Machine Age	hrs	Client Info		<b>295</b>	271	237
Oil Age	hrs	Client Info		<b>25</b>	34	0
Filter Age	hrs	Client Info		<b>25</b>	34	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>1</b>	2	1
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>4	<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)	>20	<b>1</b>	3	2
Lead	ppm	ASTM D5185(m)	>40	<b>0</b>	<1	0
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	<1

**CONTAMINATION**

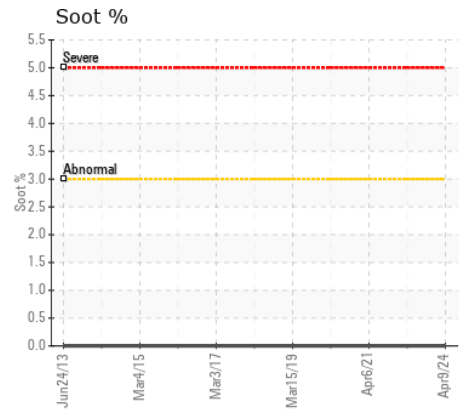
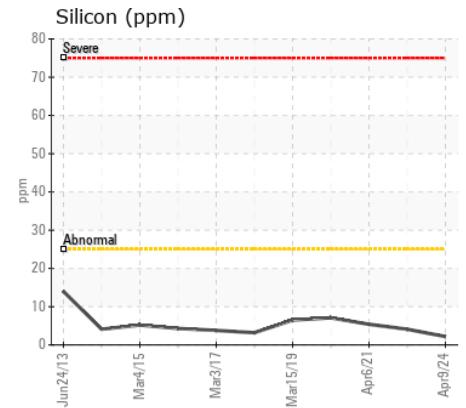
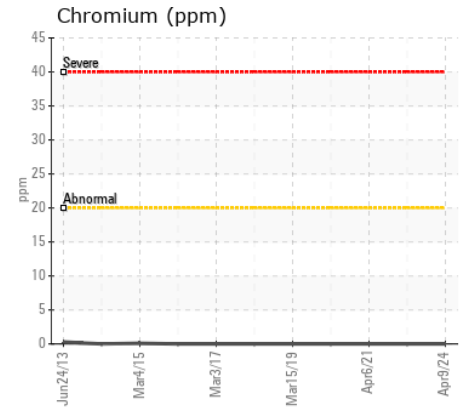
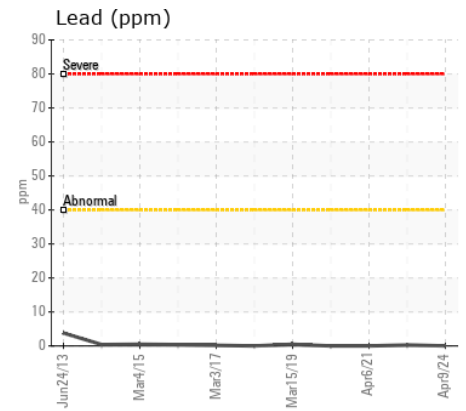
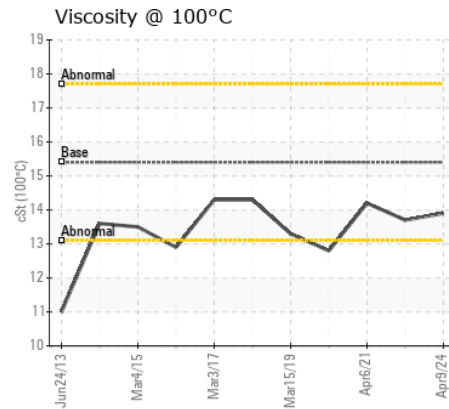
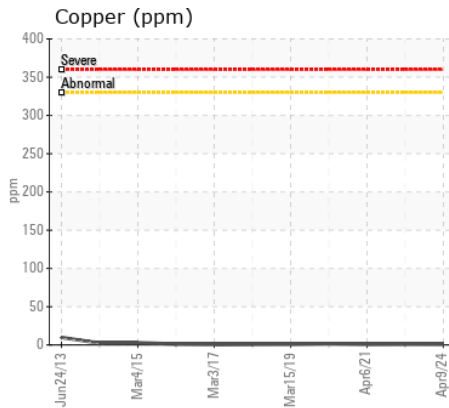
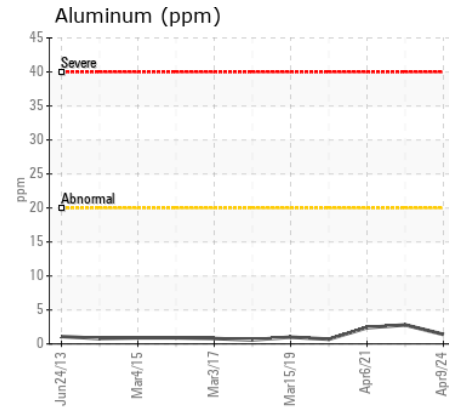
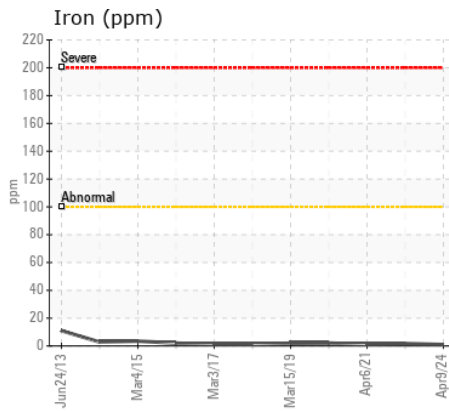
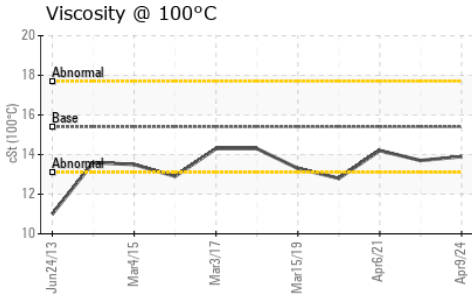
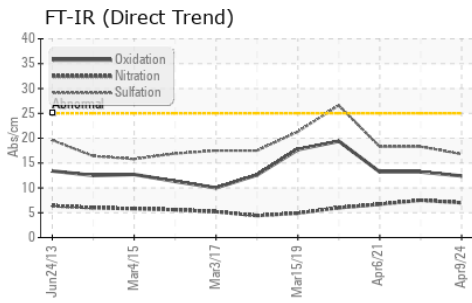
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>2</b>	4	5
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>7.0</b>	7.5	6.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>16.8</b>	18.3	18.3
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>71</b>	75	73
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>11</b>	84	82
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185(m)		<b>30</b>	27	67
Calcium	ppm	ASTM D5185(m)	3780	<b>2095</b>	2209	2059
Phosphorus	ppm	ASTM D5185(m)	1370	<b>971</b>	1067	994
Zinc	ppm	ASTM D5185(m)	1500	<b>1098</b>	1139	1178
Sulfur	ppm	ASTM D5185(m)	3800	<b>3306</b>	3313	3300
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>12.4</b>	13.2	13.2
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	<b>13.9</b>	13.7	14.2



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PN0006047  
**Lab Number** : 02628404  
**Unique Number** : 5761536  
**Test Package** : MOB 1  
**Received** : 12 Apr 2024  
**Tested** : 12 Apr 2024  
**Diagnosed** : 12 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.