



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

Area  
**[85992]**  
 Machine Id  
**1530 MARKHAM RD TORONTO CITY OF TORONTO OD5451**

Component  
**Left Diesel Engine**  
 Fluid  
**ESSO XD-3 EXTRA 15W40 (40 LTR)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PN0006125</b>	PN0004755	PN0003459
Sample Date		Client Info		<b>08 May 2024</b>	29 May 2023	17 May 2022
Machine Age	hrs	Client Info		<b>342</b>	317	305
Oil Age	hrs	Client Info		<b>25</b>	12	0
Filter Age	hrs	Client Info		<b>25</b>	12	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>2</b>	2	2
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	0	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	2	3
Lead	ppm	ASTM D5185(m)	>40	<b>0</b>	1	2
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	0

**CONTAMINATION**

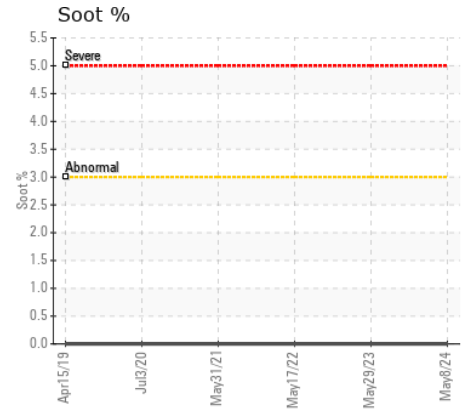
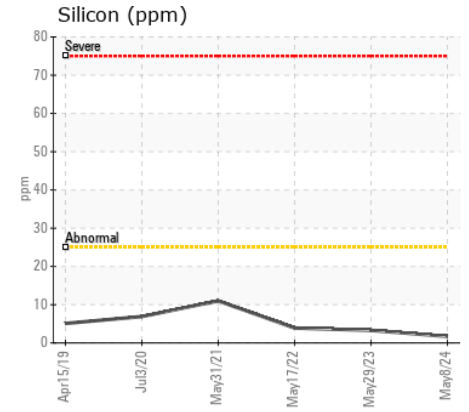
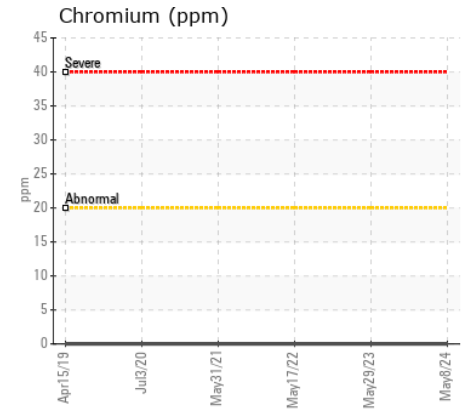
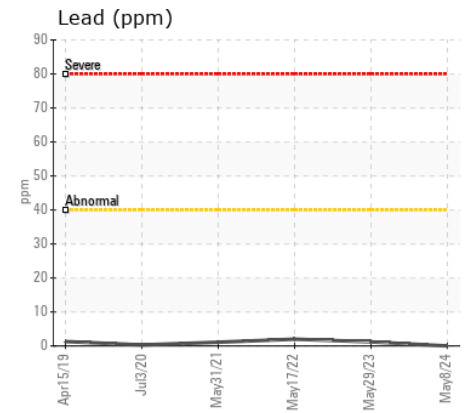
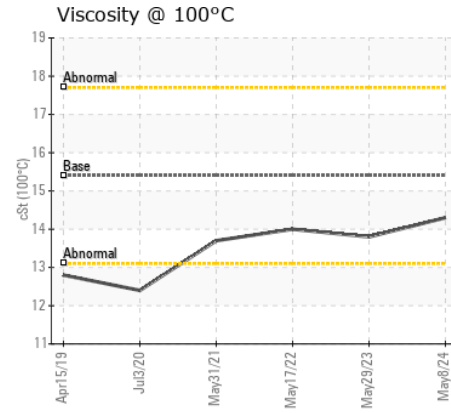
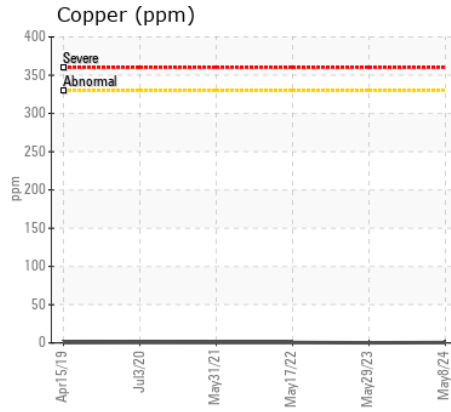
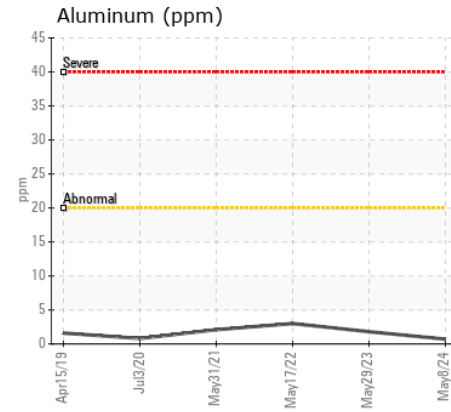
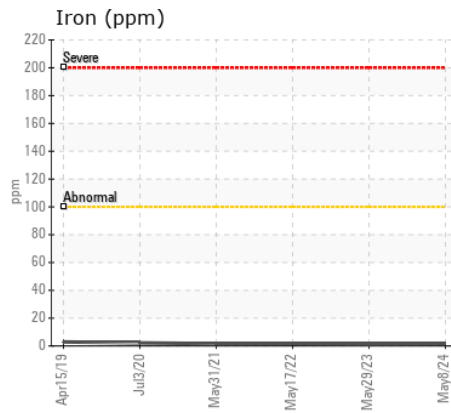
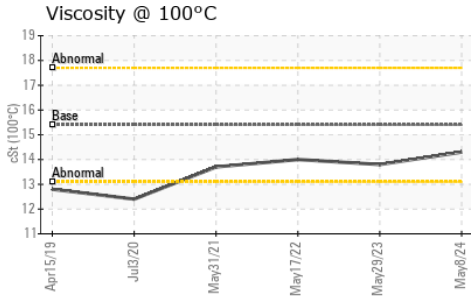
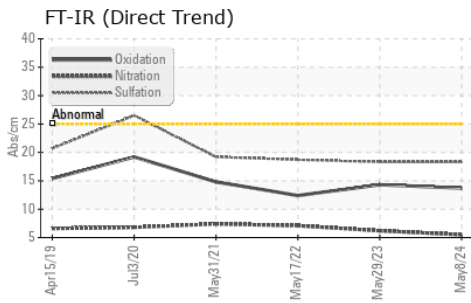
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>2</b>	3	4
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</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>5.5</b>	6.2	7.1
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>18.3</b>	18.3	18.7
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>1</b>	1	2
Boron	ppm	ASTM D5185(m)		<b>11</b>	40	72
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>60</b>	70	85
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)		<b>858</b>	476	27
Calcium	ppm	ASTM D5185(m)	3780	<b>1173</b>	1749	2155
Phosphorus	ppm	ASTM D5185(m)	1370	<b>1023</b>	1090	1067
Zinc	ppm	ASTM D5185(m)	1500	<b>1171</b>	1155	1155
Sulfur	ppm	ASTM D5185(m)	3800	<b>2699</b>	2942	3232
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>13.7</b>	14.3	12.4
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	<b>14.3</b>	13.8	14.0



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PN0006125 **Received** : 13 May 2024  
**Lab Number** : 02634911 **Tested** : 13 May 2024  
**Unique Number** : 5776064 **Diagnosed** : 13 May 2024 - Wes Davis  
**Test Package** : MOB 1

**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.