



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

Machine Id  
**2363 QUEEN ST TORONTO GROUND #45255260 MAINSTAY HOUSING 45255260**

Component  
**Rear Diesel Engine**

Fluid  
**ESSO XD-3 EXTRA 15W40 (12 LTR)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PN0006040</b>	PN0004632	PN0003351
Sample Date		Client Info		<b>10 Apr 2024</b>	27 Mar 2023	10 Mar 2022
Machine Age	hrs	Client Info		<b>281</b>	279	271
Oil Age	hrs	Client Info		<b>2</b>	8	25
Filter Age	hrs	Client Info		<b>2</b>	8	25
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)	>90	<b>&lt;1</b>	2	2
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>2	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	0
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	3	3
Lead	ppm	ASTM D5185(m)	>40	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	0	<1
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

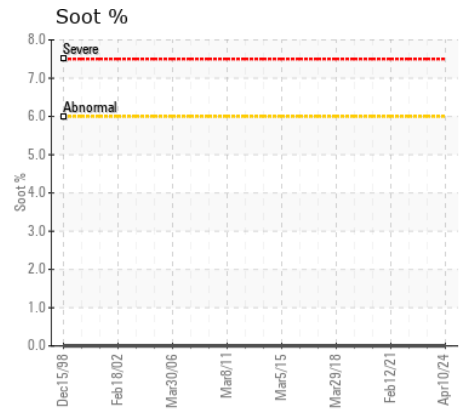
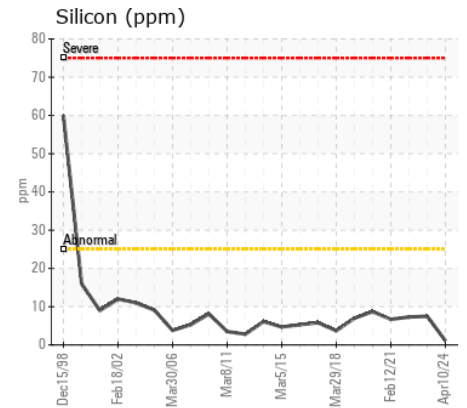
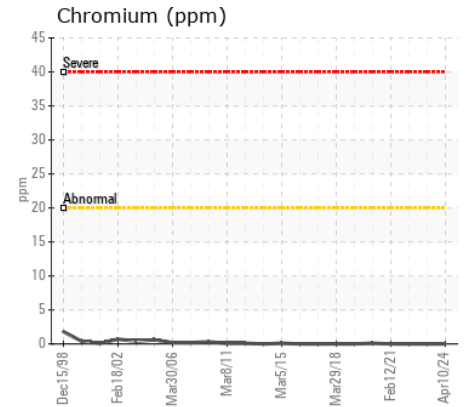
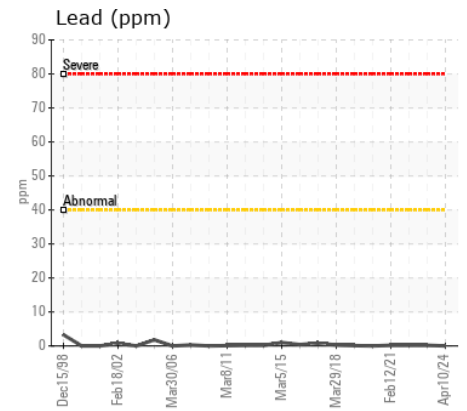
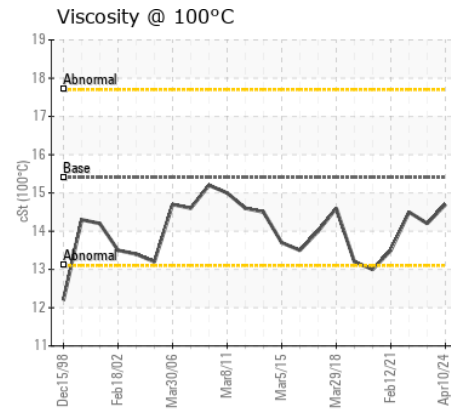
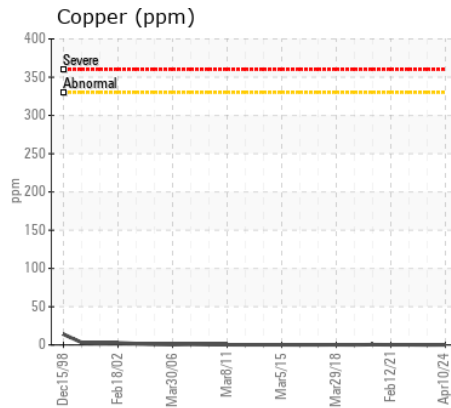
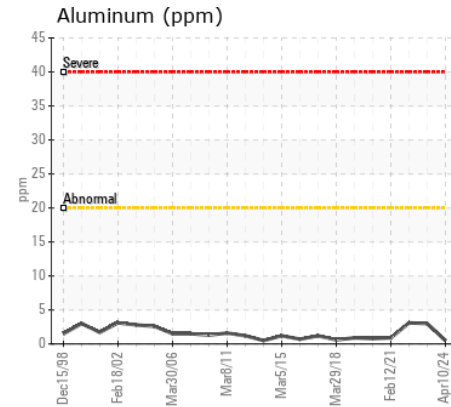
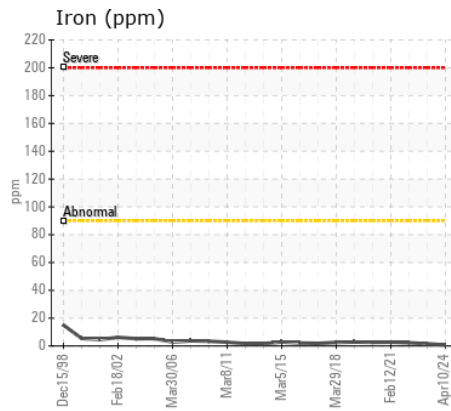
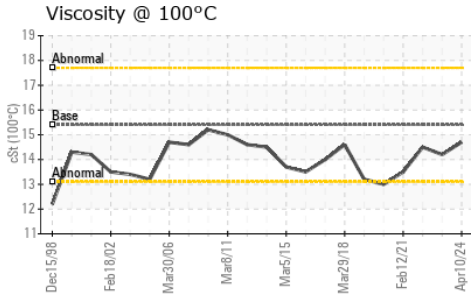
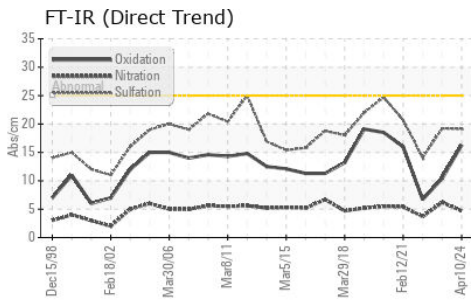
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>1</b>	8	7
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	2	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*	>6	<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>4.7</b>	6.2	3.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>19.1</b>	19.2	14.1
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>	3	2
Boron	ppm	ASTM D5185(m)		<b>10</b>	75	75
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>55</b>	84	79
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)		<b>840</b>	22	81
Calcium	ppm	ASTM D5185(m)	3780	<b>1166</b>	2272	2072
Phosphorus	ppm	ASTM D5185(m)	1370	<b>953</b>	1082	1008
Zinc	ppm	ASTM D5185(m)	1500	<b>1119</b>	1147	1116
Sulfur	ppm	ASTM D5185(m)	3800	<b>2584</b>	3292	3184
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>16.3</b>	10.4	6.7
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	<b>14.7</b>	14.2	14.5



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PN0006040  
**Lab Number** : 02628402  
**Unique Number** : 5761534  
**Test Package** : MOB 1

**Received** : 12 Apr 2024  
**Tested** : 12 Apr 2024  
**Diagnosed** : 12 Apr 2024 - Wes Davis

**POWER STATION INC.**  
 1050 JAYSON COURT  
 MISSISSAUGA, ON  
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 Contact: Brett Kinkley  
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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.

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