



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

Area

**[85703]**

Machine Id

**6300 STEELES AVE W VAUGHAN 407 ETR UNIT 4 OR T**

Component

**Right 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>PN0006009</b>	PN0004693	PN0003403
Sample Date		Client Info		<b>19 Apr 2024</b>	03 Apr 2023	28 Feb 2022
Machine Age	hrs	Client Info		<b>1670</b>	1645	1369
Oil Age	hrs	Client Info		<b>0</b>	915	0
Filter Age	hrs	Client Info		<b>0</b>	915	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**

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>51	<b>2</b>	4	7
Chromium	ppm	ASTM D5185(m)	>11	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>31	<b>1</b>	4	3
Lead	ppm	ASTM D5185(m)	>26	<b>0</b>	<1	6
Copper	ppm	ASTM D5185(m)	>26	<b>1</b>	16	153
Tin	ppm	ASTM D5185(m)	>4	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

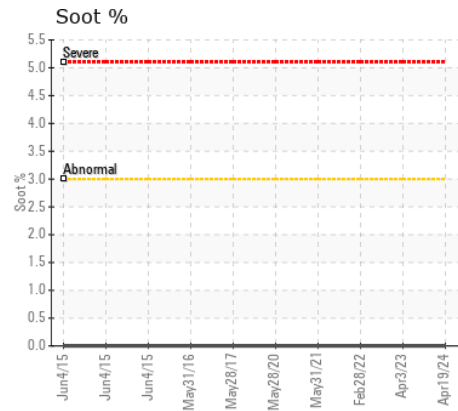
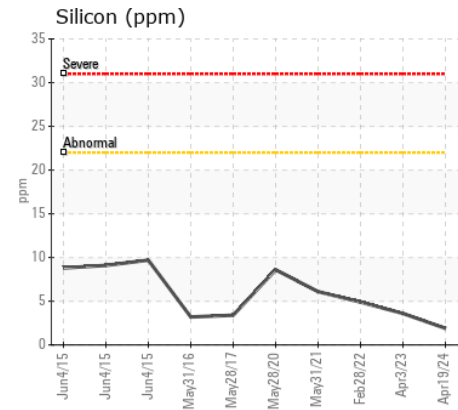
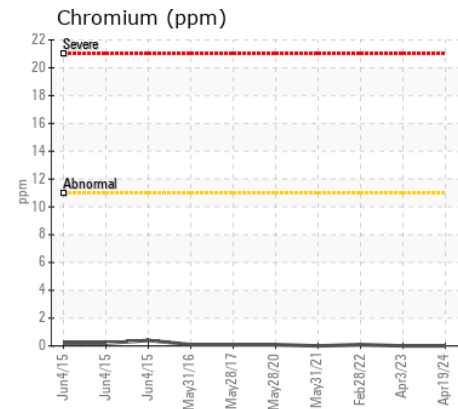
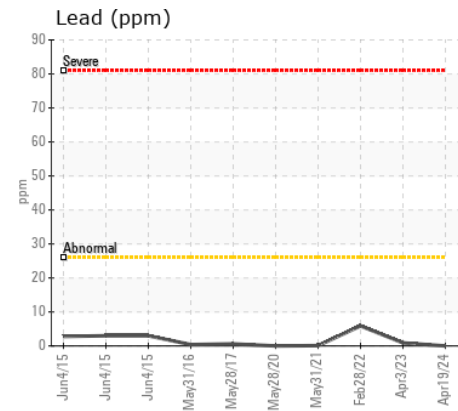
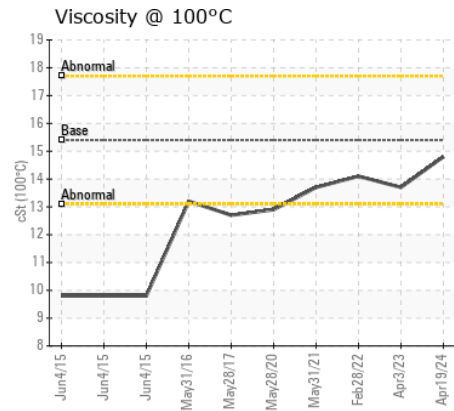
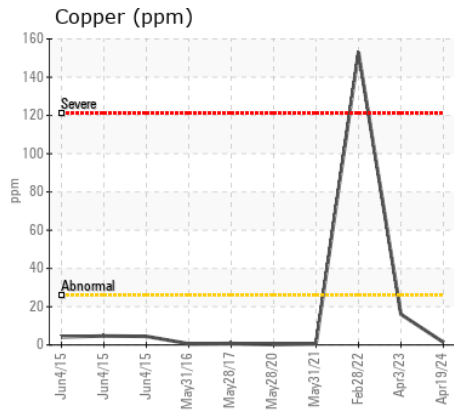
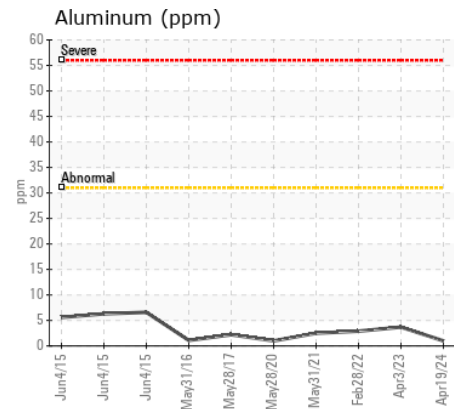
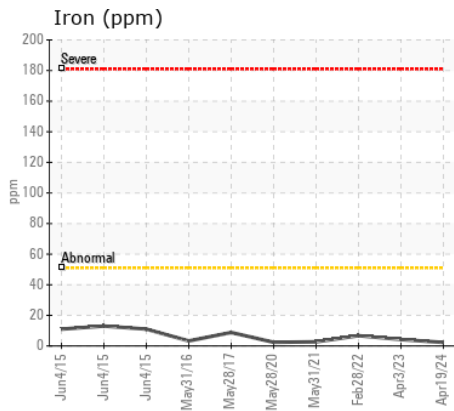
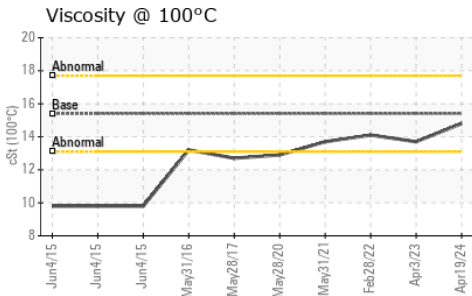
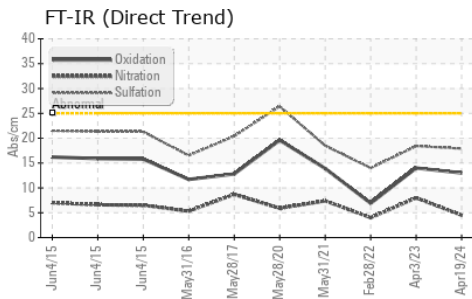
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>22	<b>2</b>	4	5
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	0.0
Soot %	%	ASTM D7844*	>3	<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>4.5</b>	8.0	4.0
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>17.9</b>	18.4	14.0
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>1</b>	2	3
Boron	ppm	ASTM D5185(m)		<b>9</b>	62	68
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>62</b>	91	82
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)		<b>904</b>	22	93
Calcium	ppm	ASTM D5185(m)	3780	<b>1130</b>	2330	2191
Phosphorus	ppm	ASTM D5185(m)	1370	<b>1014</b>	1127	1017
Zinc	ppm	ASTM D5185(m)	1500	<b>1177</b>	1174	1191
Sulfur	ppm	ASTM D5185(m)	3800	<b>2670</b>	3235	2926
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>13.0</b>	14.0	6.9
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	<b>14.8</b>	13.7	14.1



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

**Sample No.** : PN0006009

**Lab Number** : 02631477

**Unique Number** : 5772630

**Test Package** : MOB 1

**Received** : 26 Apr 2024

**Tested** : 26 Apr 2024

**Diagnosed** : 26 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.