



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

Machine Id  
**1880 BEECH GROVE RD, CALEDON WATER REGION OF PEEL C060895187**

Component  
**Rear 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>PN0006300</b>	PN0004865	PN0002845
Sample Date		Client Info		<b>06 Jun 2024</b>	08 Jun 2023	24 Aug 2021
Machine Age	hrs	Client Info		<b>689</b>	673	587
Oil Age	hrs	Client Info		<b>16</b>	0	0
Filter Age	hrs	Client Info		<b>16</b>	0	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)	>90	<b>&lt;1</b>	1	<1
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	2	3
Lead	ppm	ASTM D5185(m)	>40	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	<1	1
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	<1

**CONTAMINATION**

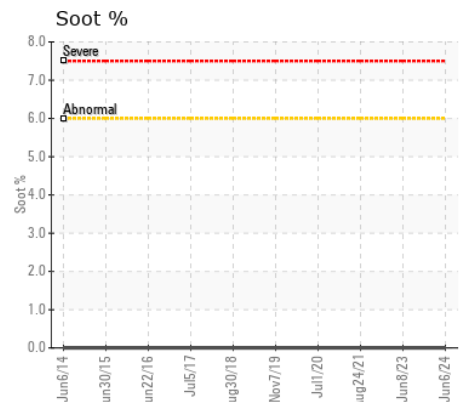
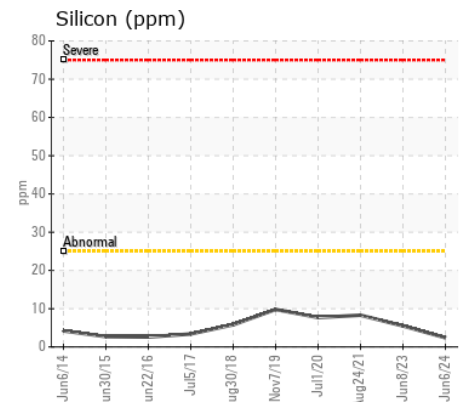
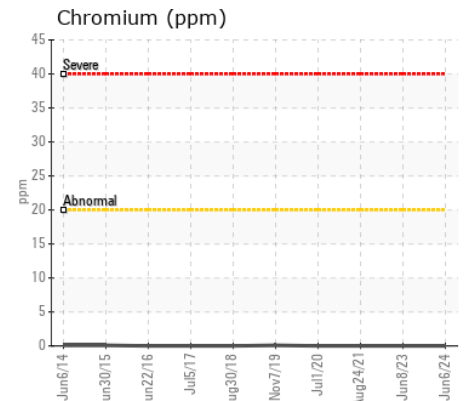
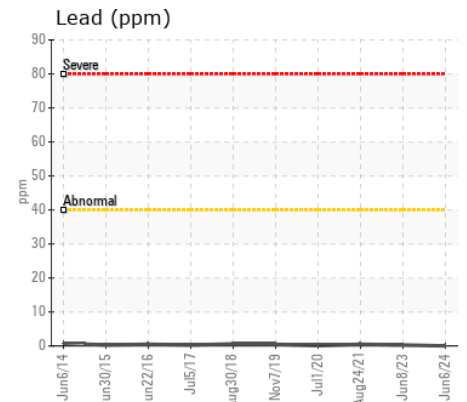
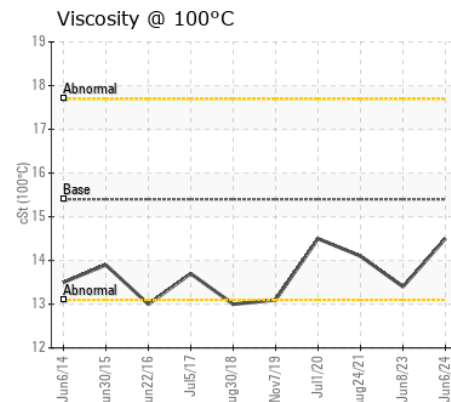
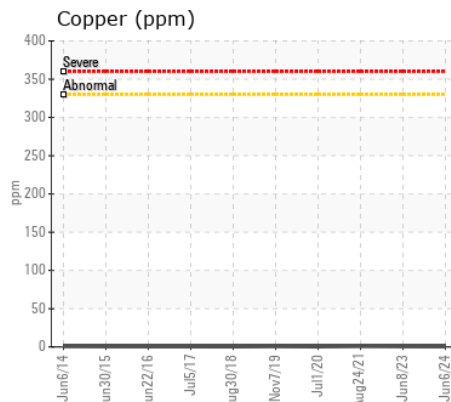
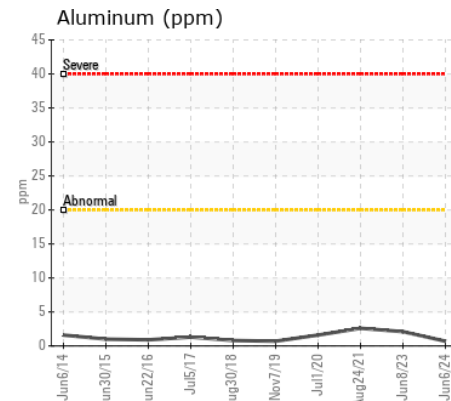
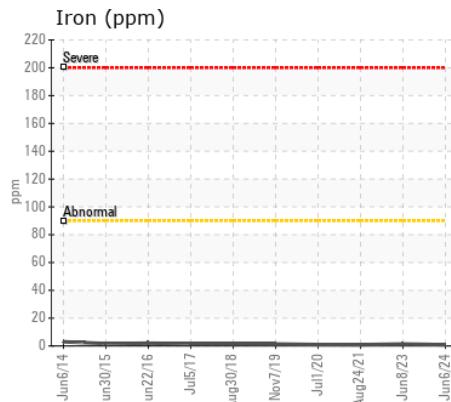
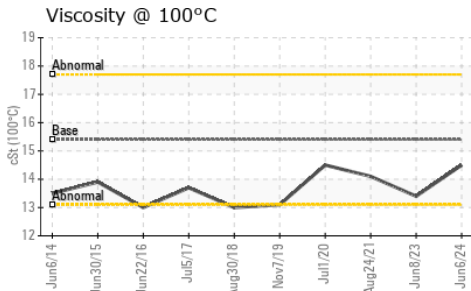
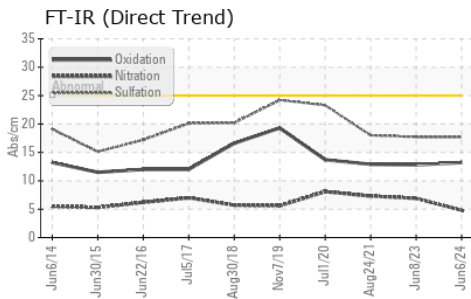
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>2</b>	6	8
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	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>4.8</b>	6.9	7.3
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>17.7</b>	17.7	18.0
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>8</b>	59	76
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>53</b>	27	85
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)		<b>854</b>	173	27
Calcium	ppm	ASTM D5185(m)	3780	<b>1118</b>	2036	2104
Phosphorus	ppm	ASTM D5185(m)	1370	<b>961</b>	1053	1082
Zinc	ppm	ASTM D5185(m)	1500	<b>1125</b>	1115	1169
Sulfur	ppm	ASTM D5185(m)	3800	<b>2550</b>	3087	3313
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>13.2</b>	12.8	12.9
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	<b>14.5</b>	13.4	14.1



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PN0006300 **Received** : 11 Jun 2024  
**Lab Number** : 02641083 **Tested** : 11 Jun 2024  
**Unique Number** : 5798622 **Diagnosed** : 11 Jun 2024 - Wes Davis  
**Test Package** : MOB 1

**POWER STATION INC.**  
 1050 JAYSON COURT  
 MISSISSAUGA, ON  
 CA L4W 2V5  
 Contact: Brett Kinkley  
 Bkinkley@pwrstn.com  
 T:  
 F: (905)565-8544

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.