



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

Machine Id  
**120780 INNIS LAKE WATER REGION OF PEEL PE405L115197**  
 Component  
**Right Diesel Engine**  
 Fluid  
**ESSO XD-3 EXTRA 15W40 (15 LTR)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PN0006219</b>	PN0004850	PN0001501
Sample Date		Client Info		<b>07 Jun 2024</b>	09 Jun 2023	12 Aug 2020
Machine Age	hrs	Client Info		<b>385</b>	377	341
Oil Age	hrs	Client Info		<b>7</b>	14	32
Filter Age	hrs	Client Info		<b>7</b>	14	32
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)	>51	<b>1</b>	2	2
Chromium	ppm	ASTM D5185(m)	>11	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	<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)	>31	<b>&lt;1</b>	2	2
Lead	ppm	ASTM D5185(m)	>26	<b>0</b>	<1	0
Copper	ppm	ASTM D5185(m)	>26	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185(m)	>4	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

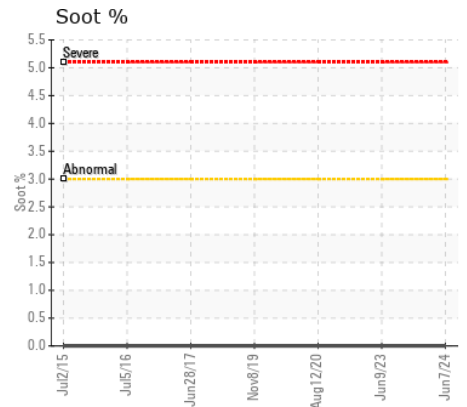
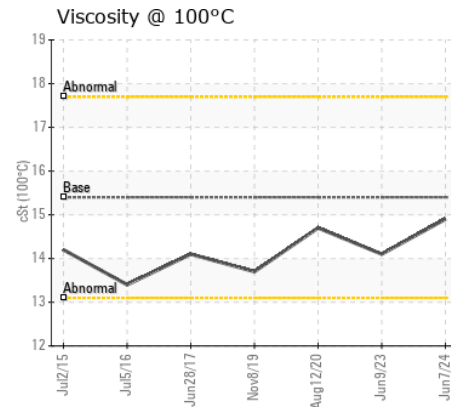
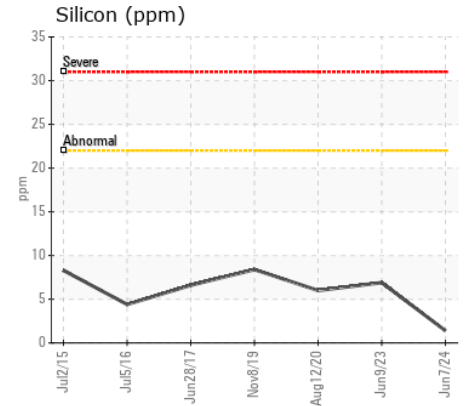
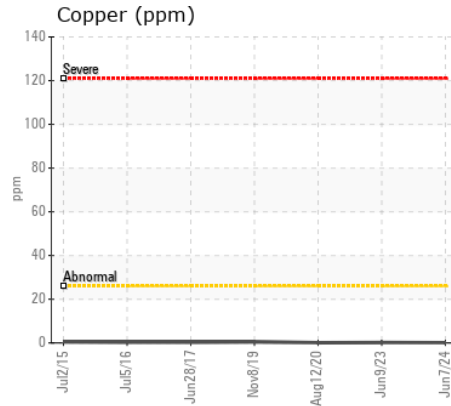
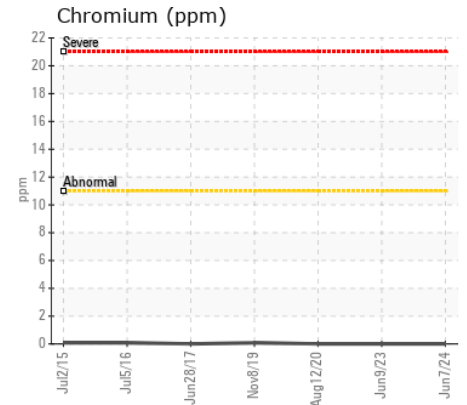
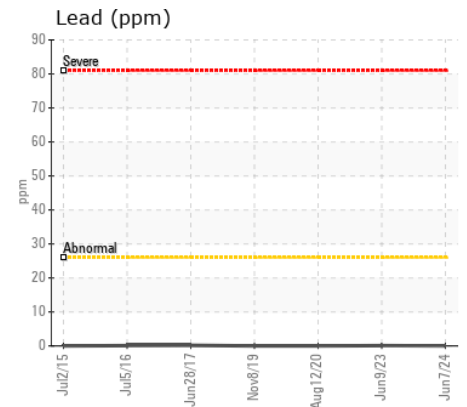
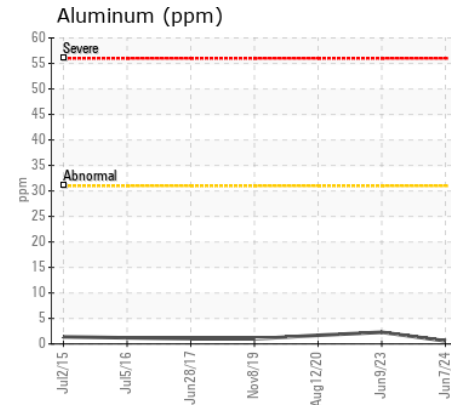
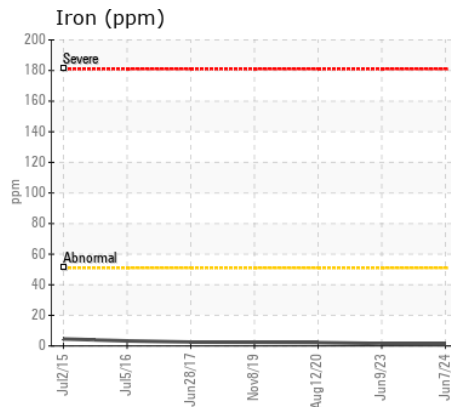
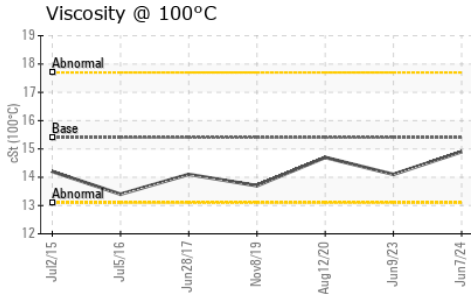
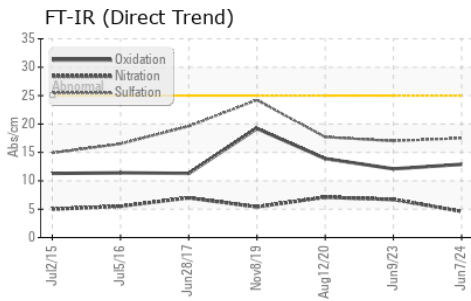
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>22	<b>1</b>	7	6
Potassium	ppm	ASTM D5185(m)	>20	<b>0</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	NEG
Soot %	%	ASTM D7844*	>3	<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>4.6</b>	6.7	7.1
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>17.5</b>	17.0	17.7
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>	1	<1
Boron	ppm	ASTM D5185(m)		<b>9</b>	70	69
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>52</b>	14	84
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185(m)		<b>865</b>	76	50
Calcium	ppm	ASTM D5185(m)	3780	<b>1141</b>	2153	2087
Phosphorus	ppm	ASTM D5185(m)	1370	<b>986</b>	1111	993
Zinc	ppm	ASTM D5185(m)	1500	<b>1141</b>	1145	1139
Sulfur	ppm	ASTM D5185(m)	3800	<b>2609</b>	3317	3160
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>12.9</b>	12.1	13.9
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	<b>14.9</b>	14.1	14.7



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PN0006219 **Received** : 11 Jun 2024  
**Lab Number** : 02641082 **Tested** : 11 Jun 2024  
**Unique Number** : 5798621 **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.