



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

Area

**[86646]**

Machine Id

**17255 MOUNT HOPE, PALGRAVE WATER REGION OF PEEL 35171189**

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>PN0006253</b>	PN0004819	PN0003657
Sample Date		Client Info		<b>04 Jun 2024</b>	06 Jun 2023	07 Jun 2022
Machine Age	hrs	Client Info		<b>686</b>	581	545
Oil Age	hrs	Client Info		<b>581</b>	0	51
Filter Age	hrs	Client Info		<b>581</b>	0	51
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>3</b>	2	2
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	0
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	0	3
Aluminum	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	2	2
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>	0	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

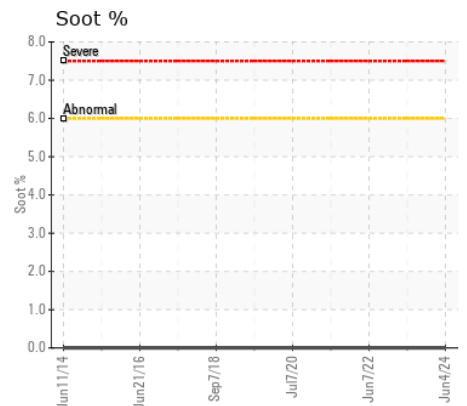
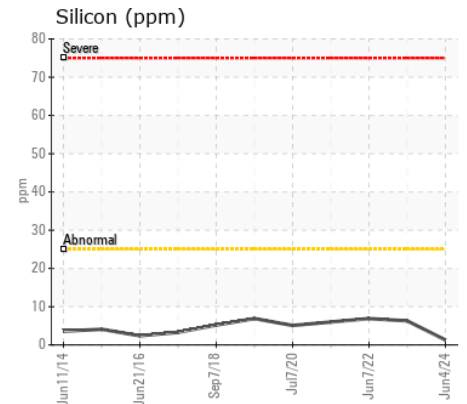
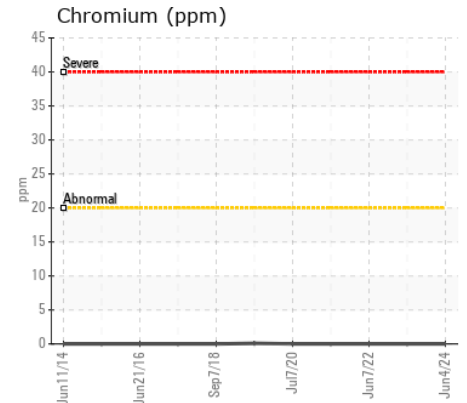
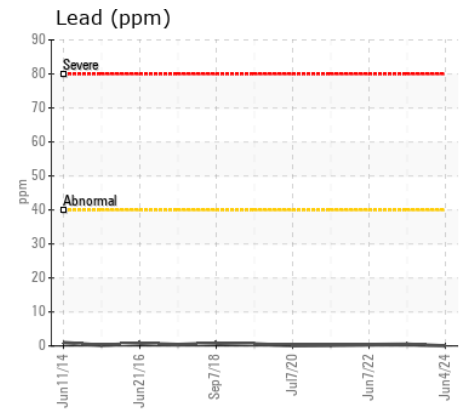
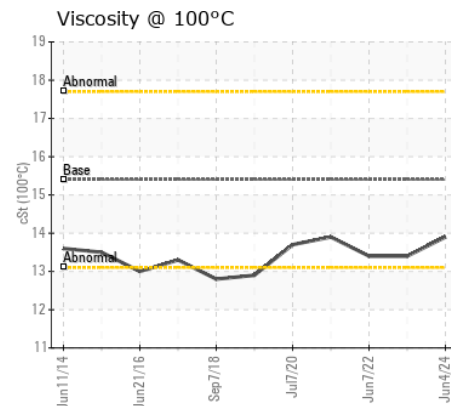
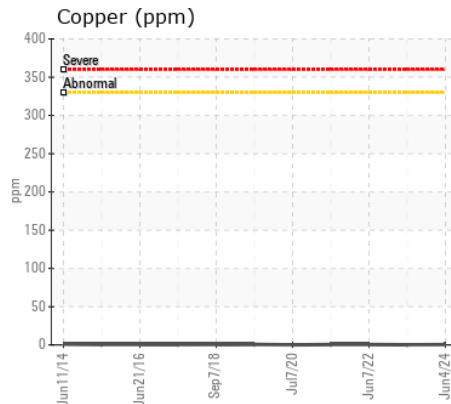
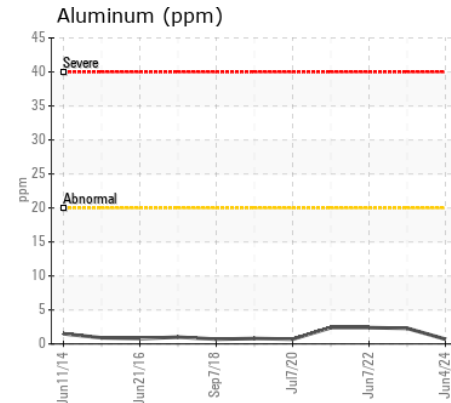
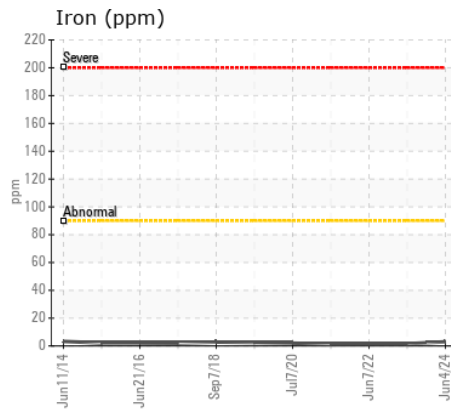
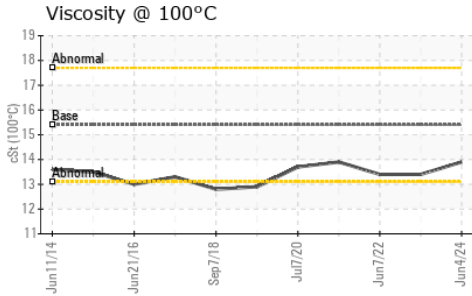
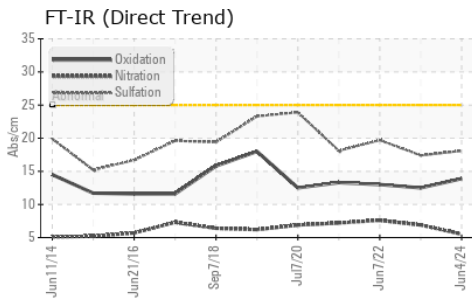
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>1</b>	6	7
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	<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>5.5</b>	6.9	7.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>18.1</b>	17.4	19.7
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>8</b>	67	72
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>54</b>	28	85
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Magnesium	ppm	ASTM D5185(m)		<b>871</b>	149	44
Calcium	ppm	ASTM D5185(m)	3780	<b>1146</b>	2182	2106
Phosphorus	ppm	ASTM D5185(m)	1370	<b>980</b>	1153	1050
Zinc	ppm	ASTM D5185(m)	1500	<b>1151</b>	1205	1167
Sulfur	ppm	ASTM D5185(m)	3800	<b>2602</b>	3410	3275
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>13.9</b>	12.5	13.0
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	<b>13.9</b>	13.4	13.4



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PN0006253  
**Lab Number** : 02641081  
**Unique Number** : 5798620  
**Test Package** : MOB 1  
**Received** : 11 Jun 2024  
**Tested** : 11 Jun 2024  
**Diagnosed** : 11 Jun 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.