



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

Area  
**[86549]**  
 Machine Id

Component  
**555 UNIVERSITY AVE, TORONTO ANNEX UNIT 2 SICK KIDS 35B05079**

Fluid  
**Rear Diesel Engine**

**ESSO XD-3 EXTRA 15W40 (400 LTR)**

**RECOMMENDATION**

Resample at the next service interval to monitor. Please contact your representative for information regarding the proper sampling kits for your service. NOTE: We recommend using MOB 3 test kits, this testkit includes Analytical Ferrography which provides a detailed morphological analysis of wear particles present in the fluid. this testkit includes BN to determine the suitability of the oil for continued use.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PN0006325</b>	PN0004793	PN0003921
Sample Date		Client Info		<b>29 May 2024</b>	11 Jun 2023	24 Aug 2022
Machine Age	hrs	Client Info		<b>0</b>	30	16
Oil Age	hrs	Client Info		<b>20</b>	0	0
Filter Age	hrs	Client Info		<b>20</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>	MARGINAL	NORMAL

**WEAR**

Component wear rates appear to be normal (unconfirmed).

Iron	ppm	ASTM D5185(m)	>100	<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>	0	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)	>25	<b>&lt;1</b>	2	1
Lead	ppm	ASTM D5185(m)	>40	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	<1	0
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

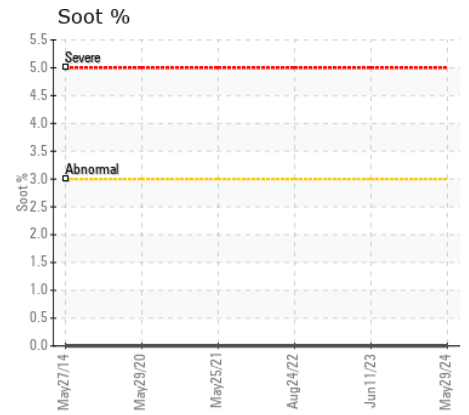
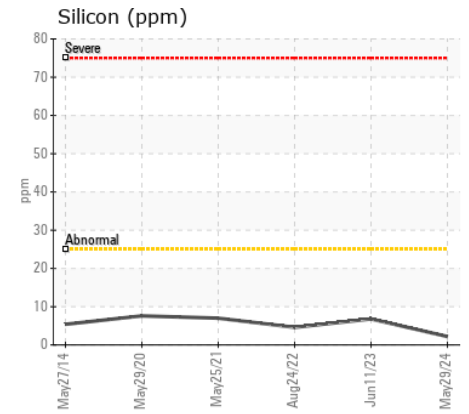
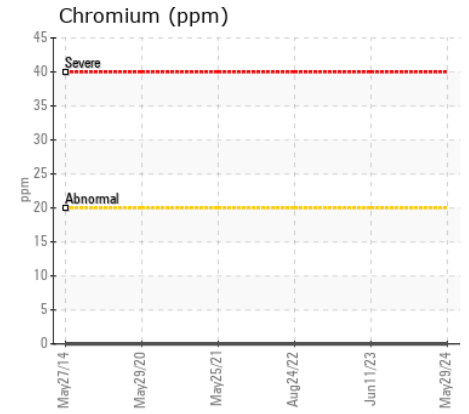
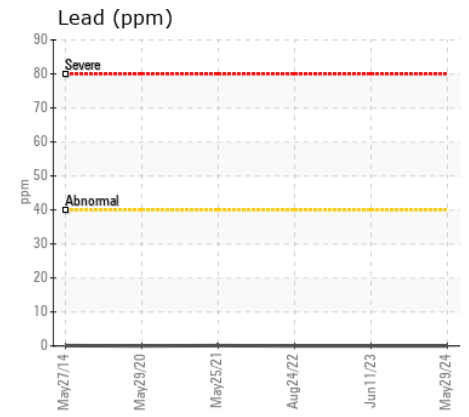
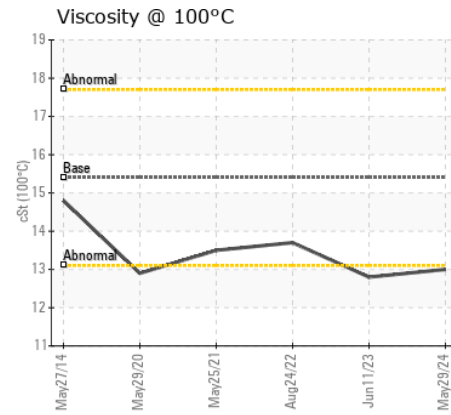
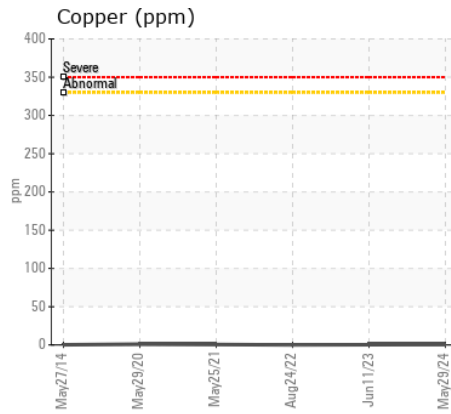
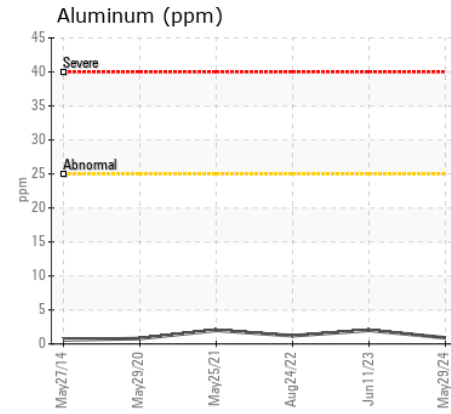
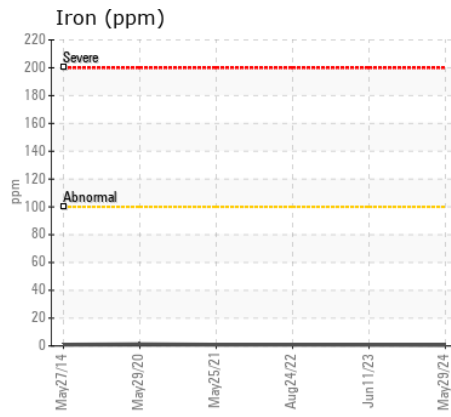
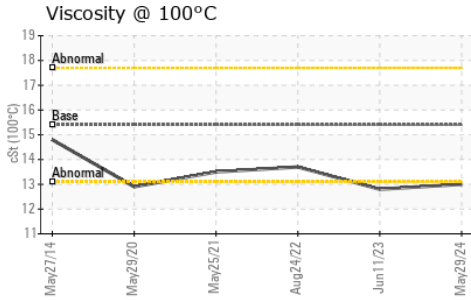
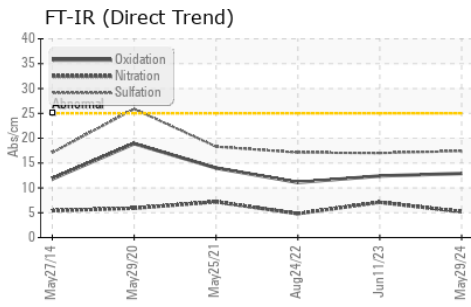
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>2</b>	7	5
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	<1
Fuel		WC Method	>5	<b>&lt;1.0</b>	▲ 4.9	<1.0
Water		WC Method	>0.2	<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>5.2</b>	7.1	4.8
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>17.4</b>	17.0	17.1
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 (unconfirmed).

Sodium	ppm	ASTM D5185(m)	>192	<b>2</b>	2	2
Boron	ppm	ASTM D5185(m)		<b>15</b>	66	40
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>60</b>	78	61
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)		<b>748</b>	109	487
Calcium	ppm	ASTM D5185(m)	3780	<b>1191</b>	1982	1494
Phosphorus	ppm	ASTM D5185(m)	1370	<b>953</b>	1044	888
Zinc	ppm	ASTM D5185(m)	1500	<b>1113</b>	1091	1036
Sulfur	ppm	ASTM D5185(m)	3800	<b>2566</b>	3091	2676
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>12.9</b>	12.4	11.1
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	<b>13.0</b>	12.8	13.7



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PN0006325  
**Lab Number** : 02641027  
**Unique Number** : 5798566  
**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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 Contact: Brett Kinkley  
 Bkinkley@pwrstn.com

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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