



WEAR

NORMAL

CONTAMINATION

ABNORMAL

FLUID CONDITION

ABNORMAL

Area

[85185]

Machine Id

161 BAY ST TORONTO BROOKFIELD PROPERTIES 24Z02349

Component

Rear Diesel Engine

Fluid

ESSO XD-3 EXTRA 15W40 (260 LTR)

RECOMMENDATION

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. 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		PN0005331	PN0004731	---
Sample Date		Client Info		27 Mar 2024	29 Mar 2023	---
Machine Age	hrs	Client Info		1228	1197	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				ABNORMAL	ABNORMAL	---

WEAR

Component wear rates appear to be normal (unconfirmed).

Iron	ppm	ASTM D5185(m)	>100	<1	2	---
Chromium	ppm	ASTM D5185(m)	>20	0	0	---
Nickel	ppm	ASTM D5185(m)	>4	0	0	---
Titanium	ppm	ASTM D5185(m)		0	<1	---
Silver	ppm	ASTM D5185(m)	>3	0	0	---
Aluminum	ppm	ASTM D5185(m)	>20	<1	1	---
Lead	ppm	ASTM D5185(m)	>40	0	<1	---
Copper	ppm	ASTM D5185(m)	>330	<1	<1	---
Tin	ppm	ASTM D5185(m)	>15	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

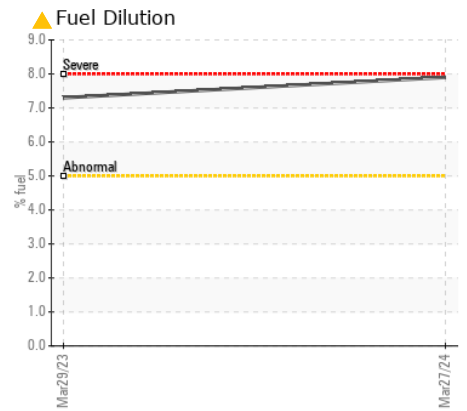
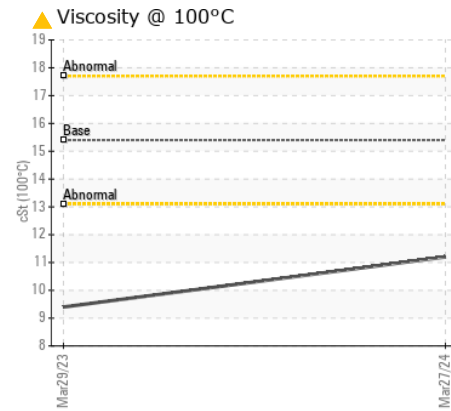
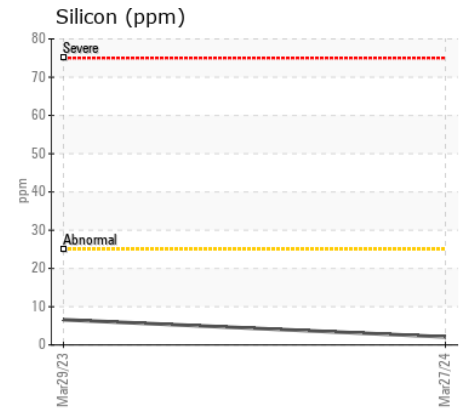
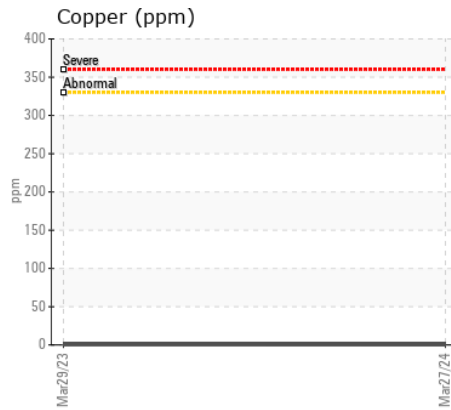
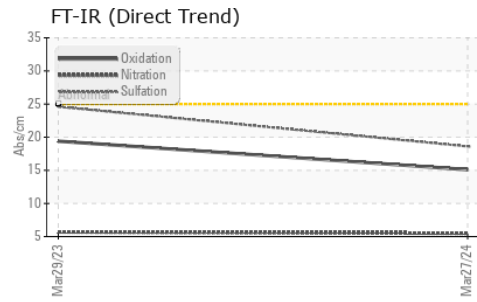
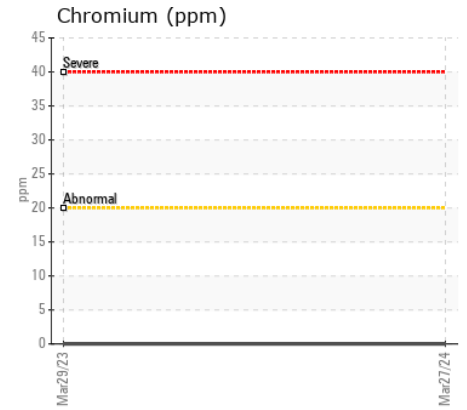
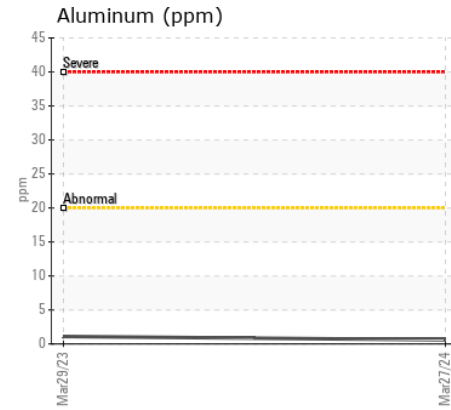
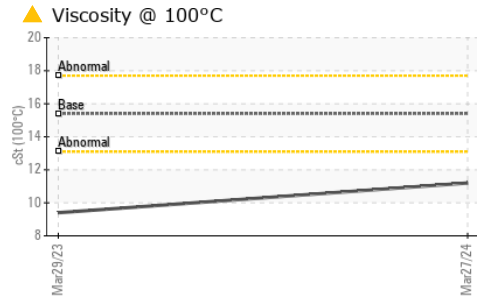
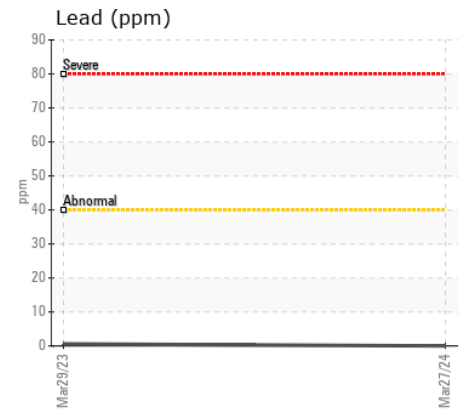
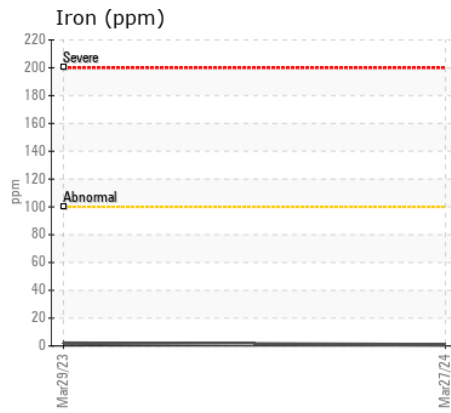
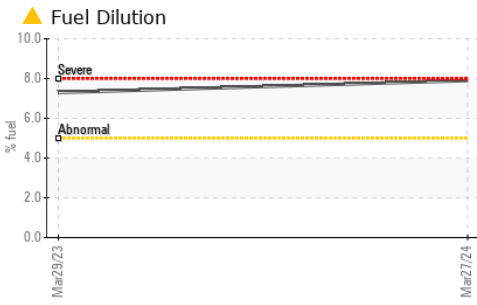
There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

Silicon	ppm	ASTM D5185(m)	>25	2	7	---
Potassium	ppm	ASTM D5185(m)	>20	0	0	---
Fuel	%	ASTM D7593*	>5	▲ 7.9	▲ 7.3	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	ASTM D7844*	>3	0	0	---
Nitration	Abs/cm	ASTM D7624*	>20	5.5	5.7	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.6	24.6	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---

FLUID CONDITION

Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185(m)	>192	1	4	---
Boron	ppm	ASTM D5185(m)		22	59	---
Barium	ppm	ASTM D5185(m)		0	0	---
Molybdenum	ppm	ASTM D5185(m)		41	38	---
Manganese	ppm	ASTM D5185(m)		0	<1	---
Magnesium	ppm	ASTM D5185(m)		659	456	---
Calcium	ppm	ASTM D5185(m)	3780	1226	1628	---
Phosphorus	ppm	ASTM D5185(m)	1370	925	932	---
Zinc	ppm	ASTM D5185(m)	1500	1047	986	---
Sulfur	ppm	ASTM D5185(m)	3800	2514	2394	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	15.1	19.4	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	▲ 11.2	▲ 9.4	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PN0005331 **Received** : 03 Apr 2024
Lab Number : 02626336 **Tested** : 04 Apr 2024
Unique Number : 5759468 **Diagnosed** : 04 Apr 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: PercentFuel)

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.

POWER STATION INC.
 1050 JAYSON COURT
 MISSISSAUGA, ON
 CA L4W 2V5
 Contact: Ryan Udall
 rudall@pwrstn.com
 T: (905)565-1621
 F: (905)629-1499