



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[85141]

Machine Id
333 BAY ST TORONTO BROOKFIELD PROPERTIES BROOKFIELD PROPERTIES

Component
Left Diesel Engine

Fluid
ESSO XD-3 EXTRA 15W40 (220 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		PN0005884	---	---
Sample Date		Client Info		23 Mar 2024	---	---
Machine Age	hrs	Client Info		268	---	---
Oil Age	hrs	Client Info		19	---	---
Filter Age	hrs	Client Info		19	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---

WEAR

Metal levels are typical for a new component breaking in. Component wear rates appear to be normal (unconfirmed).

Iron	ppm	ASTM D5185(m)	>90	<1	---	---
Chromium	ppm	ASTM D5185(m)	>20	0	---	---
Nickel	ppm	ASTM D5185(m)	>2	0	---	---
Titanium	ppm	ASTM D5185(m)	>2	0	---	---
Silver	ppm	ASTM D5185(m)	>2	0	---	---
Aluminum	ppm	ASTM D5185(m)	>20	<1	---	---
Lead	ppm	ASTM D5185(m)	>40	0	---	---
Copper	ppm	ASTM D5185(m)	>330	<1	---	---
Tin	ppm	ASTM D5185(m)	>15	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

CONTAMINATION

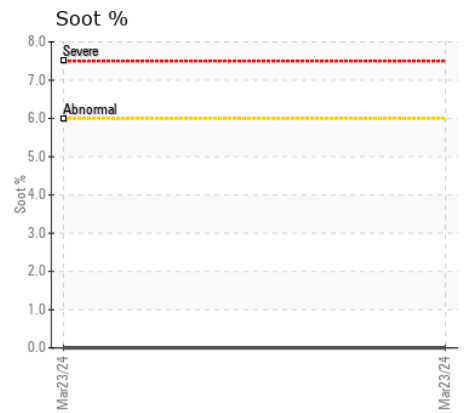
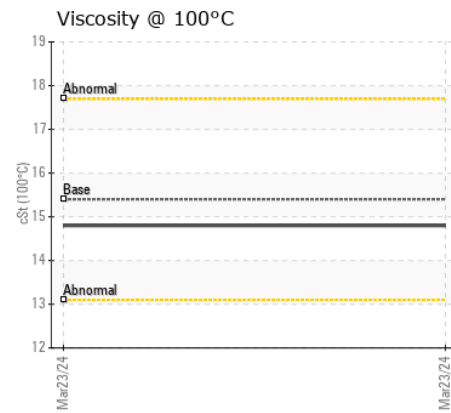
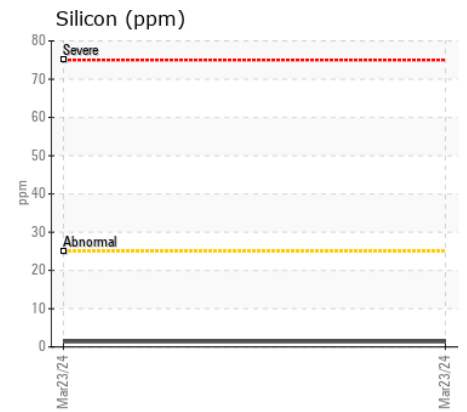
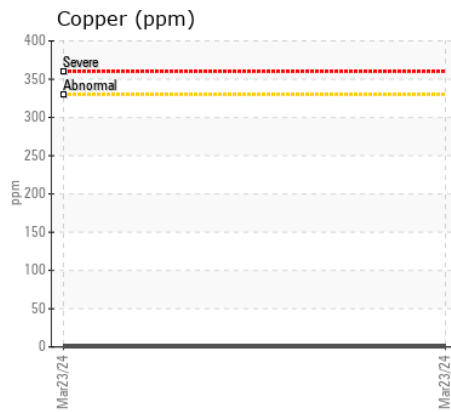
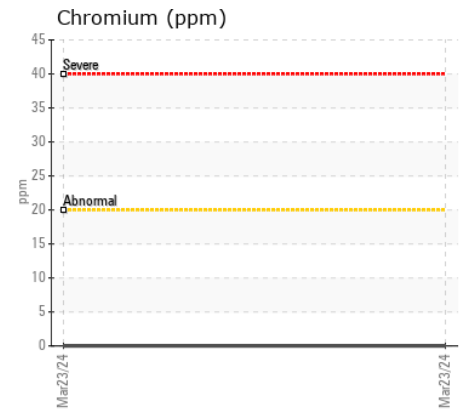
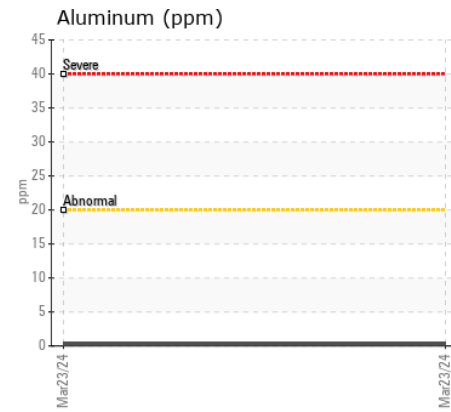
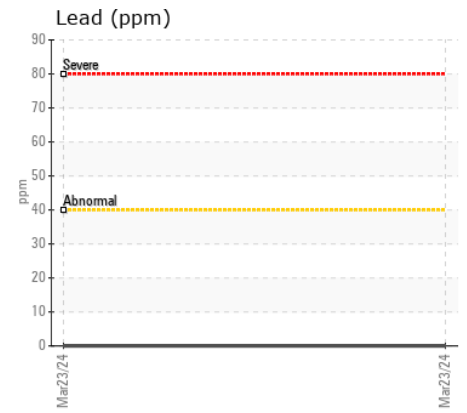
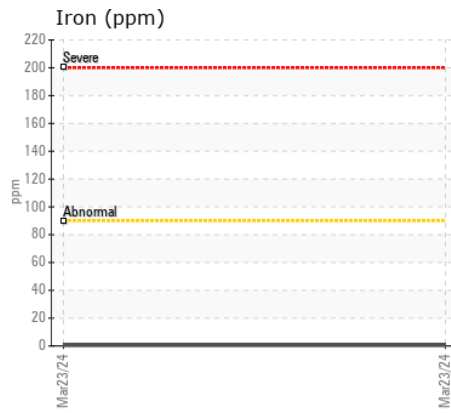
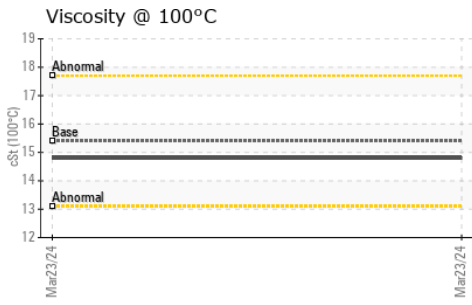
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	1	---	---
Potassium	ppm	ASTM D5185(m)	>20	0	---	---
Fuel		WC Method	>3.0	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*	>6	0	---	---
Nitration	Abs/cm	ASTM D7624*	>20	4.6	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	17.7	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---

FLUID CONDITION

The condition of the oil is acceptable for the time in service (unconfirmed).

Sodium	ppm	ASTM D5185(m)	>192	<1	---	---
Boron	ppm	ASTM D5185(m)		10	---	---
Barium	ppm	ASTM D5185(m)		0	---	---
Molybdenum	ppm	ASTM D5185(m)		58	---	---
Manganese	ppm	ASTM D5185(m)		0	---	---
Magnesium	ppm	ASTM D5185(m)		841	---	---
Calcium	ppm	ASTM D5185(m)	3780	1127	---	---
Phosphorus	ppm	ASTM D5185(m)	1370	974	---	---
Zinc	ppm	ASTM D5185(m)	1500	1118	---	---
Sulfur	ppm	ASTM D5185(m)	3800	2587	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	13.0	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	14.8	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PN0005884
Lab Number : 02625596
Unique Number : 5750715
Test Package : MOB 1
Received : 01 Apr 2024
Tested : 01 Apr 2024
Diagnosed : 01 Apr 2024 - Wes Davis

POWER STATION INC.
 1050 JAYSON COURT
 MISSISSAUGA, ON
 CA L4W 2V5
 Contact: Crystal Noel
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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.