



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[84385]

Machine Id

115 SCARSDALE RD, TORONTO, UNIT #3 BELL CANADA 95030500179

Component

Left Diesel Engine

Fluid

ESSO XD-3 EXTRA 15W40 (320 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		PN0005730	PN0000807	---
Sample Date		Client Info		13 Feb 2024	20 Dec 2019	---
Machine Age	hrs	Client Info		927	598	---
Oil Age	hrs	Client Info		93	0	---
Filter Age	hrs	Client Info		93	0	---
Oil Changed		Client Info		Changed	Not Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	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)	>100	3	4	---
Chromium	ppm	ASTM D5185(m)	>20	0	<1	---
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	3	1	---
Lead	ppm	ASTM D5185(m)	>40	<1	0	---
Copper	ppm	ASTM D5185(m)	>330	2	3	---
Tin	ppm	ASTM D5185(m)	>15	0	<1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

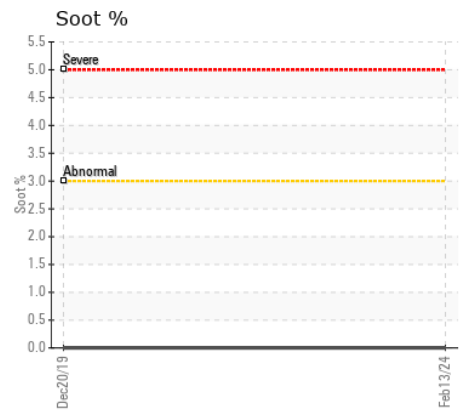
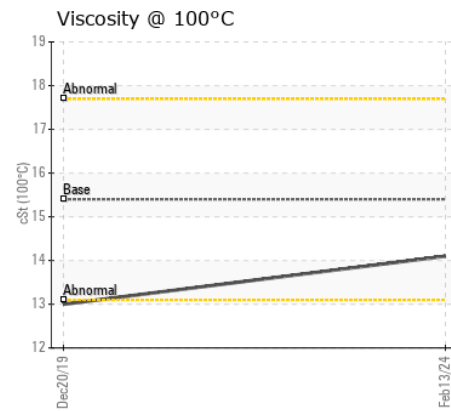
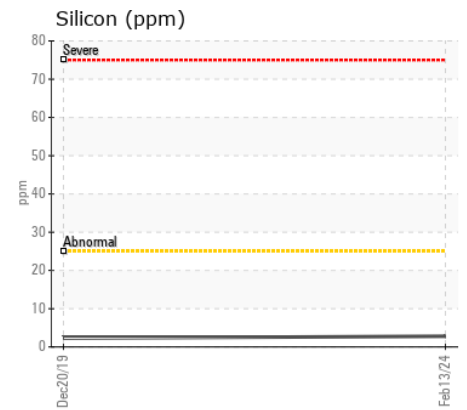
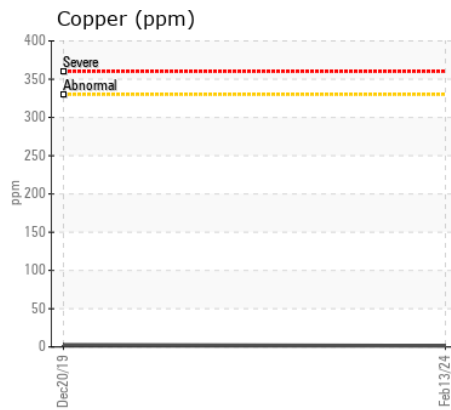
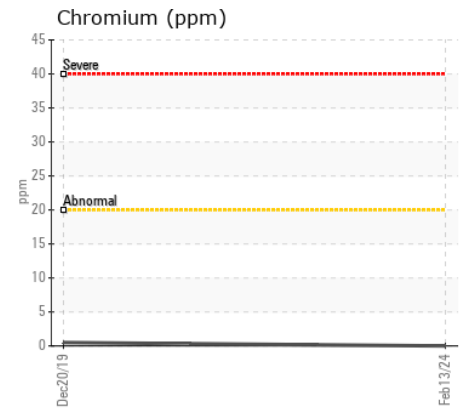
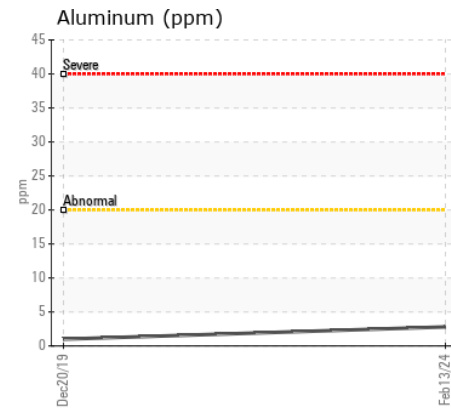
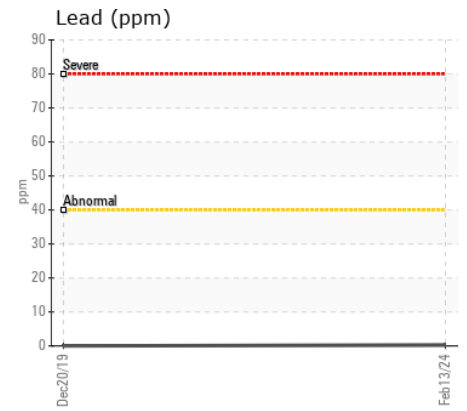
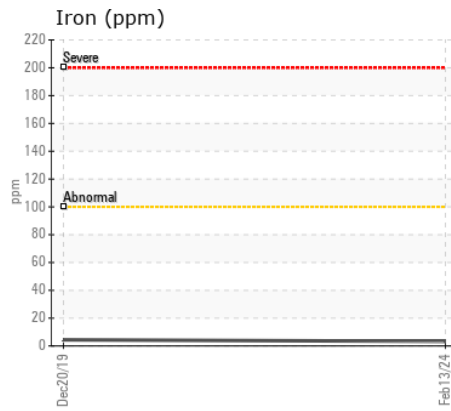
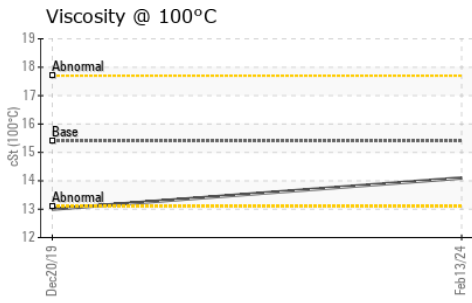
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	3	2	---
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	---
Fuel		WC Method	>5	<1.0	0.9	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	ASTM D7844*	>3	0	0	---
Nitration	Abs/cm	ASTM D7624*	>20	7.8	7.4	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.8	26.1	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)	>192	1	2	---
Boron	ppm	ASTM D5185(m)		122	49	---
Barium	ppm	ASTM D5185(m)		0	<1	---
Molybdenum	ppm	ASTM D5185(m)		62	42	---
Manganese	ppm	ASTM D5185(m)		0	<1	---
Magnesium	ppm	ASTM D5185(m)		430	549	---
Calcium	ppm	ASTM D5185(m)	3780	1837	1755	---
Phosphorus	ppm	ASTM D5185(m)	1370	982	795	---
Zinc	ppm	ASTM D5185(m)	1500	1094	940	---
Sulfur	ppm	ASTM D5185(m)	3800	2991	2212	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	15.2	21.2	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	14.1	13.0	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PN0005730 **Received** : 21 Feb 2024
Lab Number : 02616980 **Tested** : 22 Feb 2024
Unique Number : 5734090 **Diagnosed** : 22 Feb 2024 - Wes Davis
Test Package : MOB 1

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

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.