



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
[83200]

Machine Id
400 THE WEST MALL TORONTO WESTBURN MANOR CITY OF TORONTO RG6081A154829

Component
Rear Diesel Engine

Fluid
ESSO XD-3 EXTRA 15W40 (30 LTR)

RECOMMENDATION

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PN0005523	PN0001815	PN0000516
Sample Date		Client Info		12 Dec 2023	02 Nov 2020	20 Sep 2019
Machine Age	hrs	Client Info		648	469	430
Oil Age	hrs	Client Info		520	40	19
Filter Age	hrs	Client Info		520	40	19
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>51	4	4	3
Chromium	ppm	ASTM D5185(m)	>11	0	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)	>3	0	<1	<1
Aluminum	ppm	ASTM D5185(m)	>31	2	<1	<1
Lead	ppm	ASTM D5185(m)	>26	<1	<1	<1
Copper	ppm	ASTM D5185(m)	>26	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>4	0	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

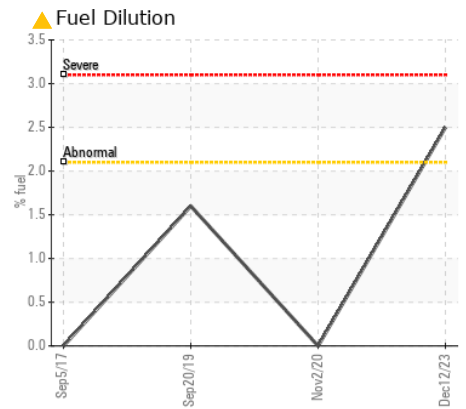
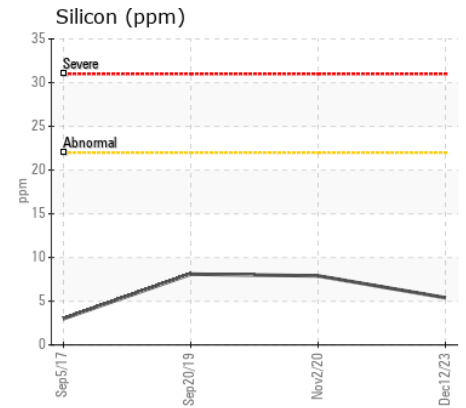
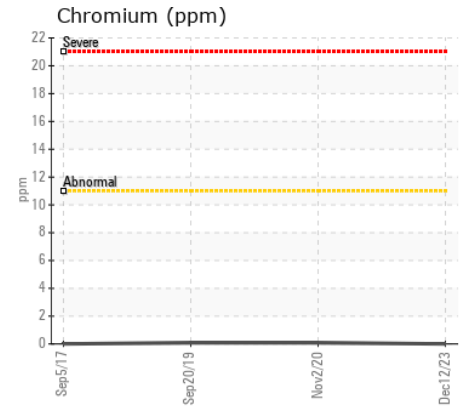
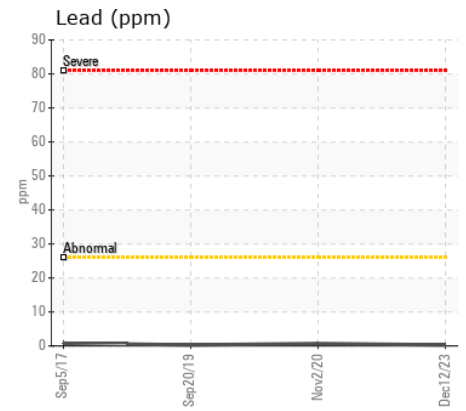
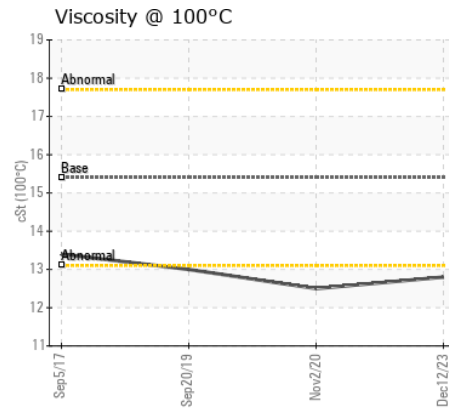
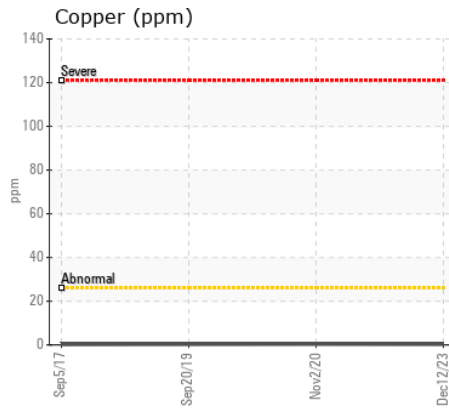
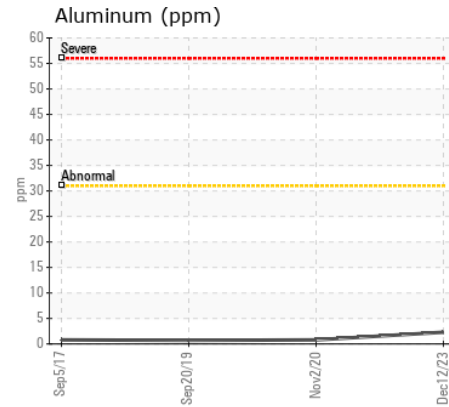
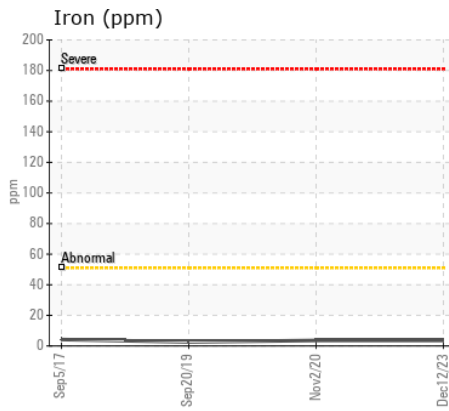
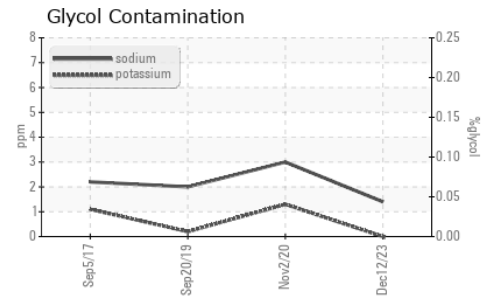
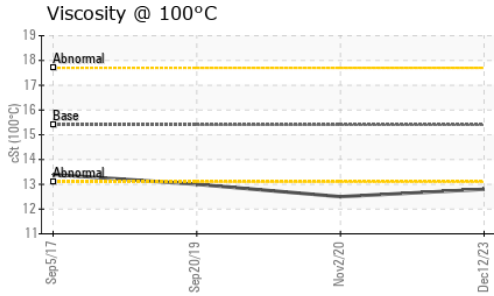
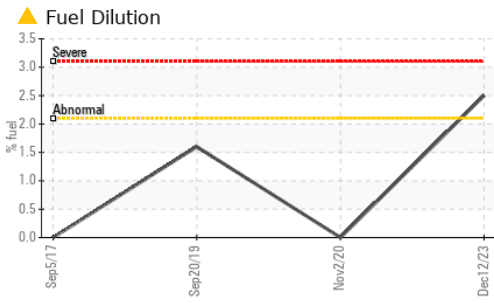
There is a moderate amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

Silicon	ppm	ASTM D5185(m)	>22	5	8	8
Potassium	ppm	ASTM D5185(m)	>20	0	1	<1
Fuel	%	ASTM D7593*	>2.1	▲ 2.5	<1.0	1.6
Water		WC Method	>0.21	NEG	NEG	NEG
Glycol	%	ASTM D7922*		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	5.5	5.4	5.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.8	21.0	23.3
Emulsified Water	scalar	Visual*	>0.21	NEG	NEG	NEG

FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185(m)	>192	1	3	2
Boron	ppm	ASTM D5185(m)		234	67	57
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		71	28	39
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)		333	540	474
Calcium	ppm	ASTM D5185(m)	3780	1752	1493	1623
Phosphorus	ppm	ASTM D5185(m)	1370	1044	704	740
Zinc	ppm	ASTM D5185(m)	1500	1162	847	852
Sulfur	ppm	ASTM D5185(m)	3800	3025	2240	2104
Oxidation	Abs/.1mm	ASTM D7414*	>25	14.9	17.5	18.7
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	12.8	12.5	13.0



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PN0005523 **Received** : 12 Jan 2024
Lab Number : 02608519 **Diagnosed** : 15 Jan 2024
Unique Number : 5709605 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (Additional Tests: FuelDilution, Glycol, 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