



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
45 ESNA PARK MARKHAM BELL CANADA 1520413

Component
Left Diesel Engine

Fluid
ESSO XD-3 EXTRA 15W40 (10 LTR)

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. No other corrective action is recommended at this time.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PN0006024	PN0003471	PN0002165
Sample Date		Client Info		01 May 2024	02 Sep 2022	31 Mar 2021
Machine Age	hrs	Client Info		89	36	428
Oil Age	hrs	Client Info		53	0	0
Filter Age	hrs	Client Info		53	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>250	5	11	42
Chromium	ppm	ASTM D5185(m)	>10	0	0	1
Nickel	ppm	ASTM D5185(m)	>5	0	0	<1
Titanium	ppm	ASTM D5185(m)		0	<1	<1
Silver	ppm	ASTM D5185(m)	>3	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>35	2	3	2
Lead	ppm	ASTM D5185(m)	>100	<1	1	4
Copper	ppm	ASTM D5185(m)	>60	2	5	19
Tin	ppm	ASTM D5185(m)	>5	0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

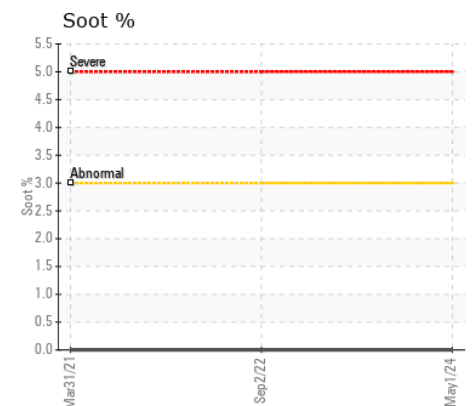
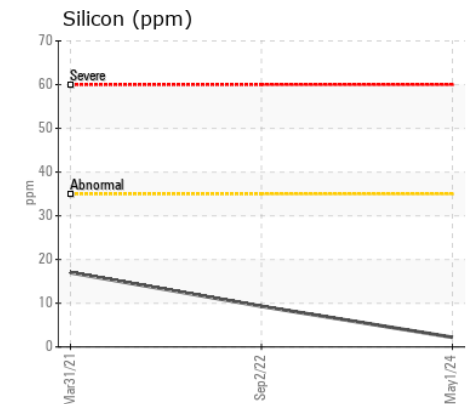
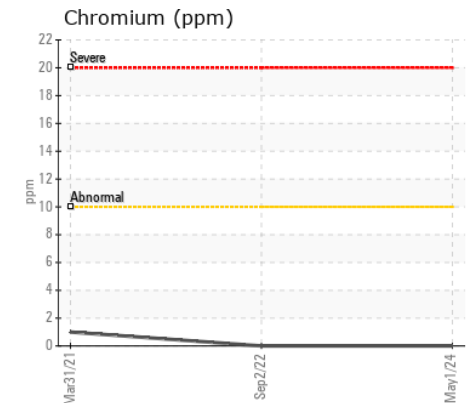
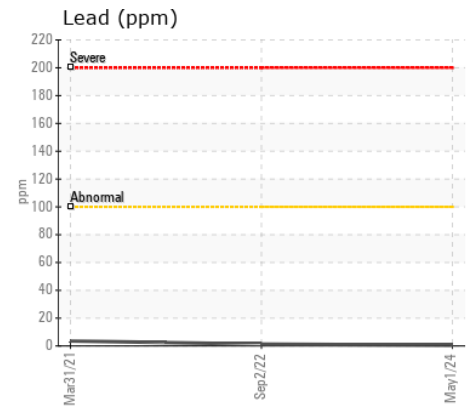
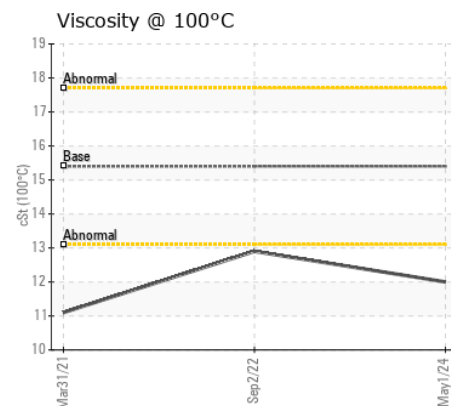
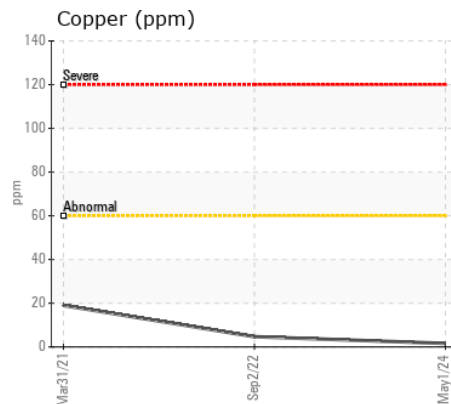
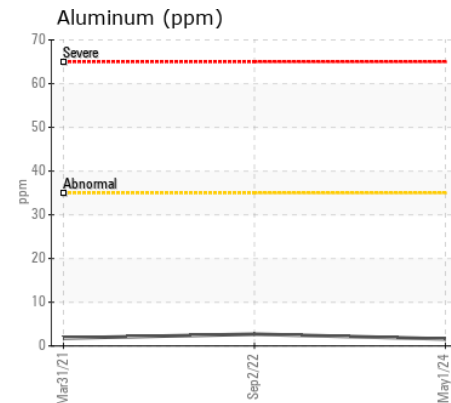
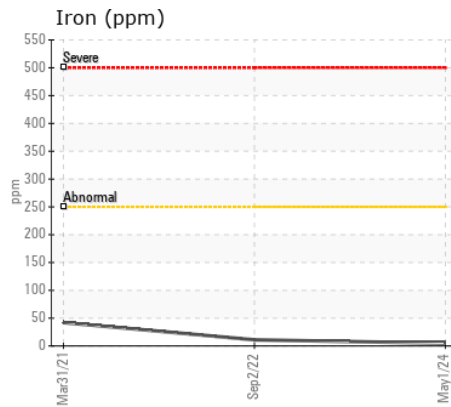
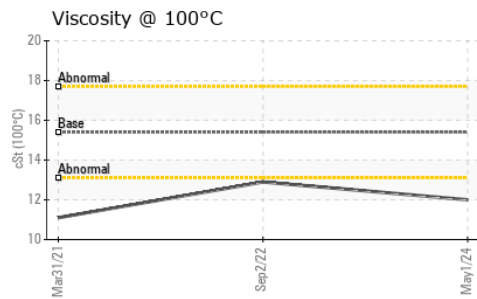
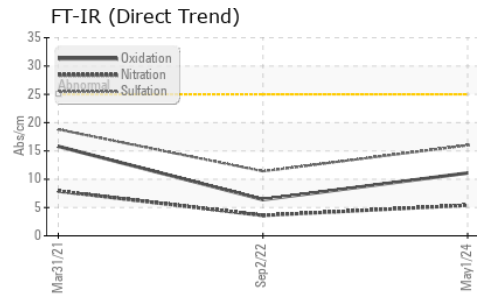
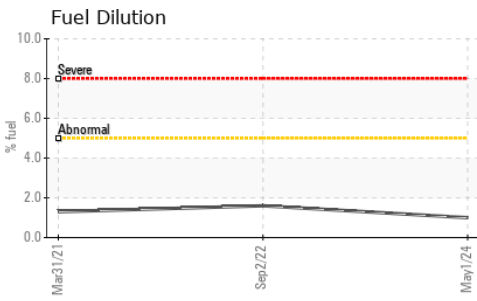
Light fuel dilution occurring. No other contaminants were detected in the oil.

Silicon	ppm	ASTM D5185(m)	>35	2	9	17
Potassium	ppm	ASTM D5185(m)	>20	1	1	6
Fuel	%	ASTM D7593*	>5	1	1.6	1.3
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	5.4	3.6	7.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	16.0	11.4	18.8
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)	>192	4	8	19
Boron	ppm	ASTM D5185(m)		35	57	9
Barium	ppm	ASTM D5185(m)		<1	<1	2
Molybdenum	ppm	ASTM D5185(m)		41	67	11
Manganese	ppm	ASTM D5185(m)		2	5	22
Magnesium	ppm	ASTM D5185(m)		224	96	322
Calcium	ppm	ASTM D5185(m)	3780	2165	2220	2193
Phosphorus	ppm	ASTM D5185(m)	1370	996	1070	983
Zinc	ppm	ASTM D5185(m)	1500	1138	1121	1226
Sulfur	ppm	ASTM D5185(m)	3800	2774	3263	3493
Oxidation	Abs/.1mm	ASTM D7414*	>25	11.1	6.4	15.8
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	12.0	12.9	11.1



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PN0006024 **Received** : 07 May 2024
Lab Number : 02633805 **Tested** : 08 May 2024
Unique Number : 5774958 **Diagnosed** : 08 May 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: FuelDilution, 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: Brett Kinkley
 Bkinkley@pwrstn.com
 T:
 F: (905)565-8544