



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
15 BURNHAMTHORPE ETOBICOKE CARNEY RESIDENCE 4674475357

Component
Right Natural Gas Engine
 Fluid
ESSO XD-3 EXTRA 5W30 (4 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PN0005629	PN0004655	PN0003219
Sample Date		Client Info		03 May 2024	09 May 2023	05 May 2022
Machine Age	hrs	Client Info		174	156	139
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>50	18	19	26
Chromium	ppm	ASTM D5185(m)	>4	3	3	4
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>9	2	3	3
Lead	ppm	ASTM D5185(m)	>30	0	0	<1
Copper	ppm	ASTM D5185(m)	>35	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>4	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

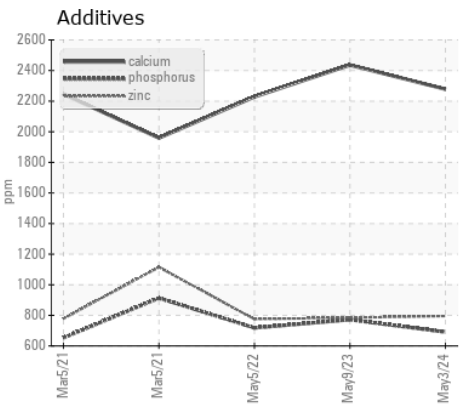
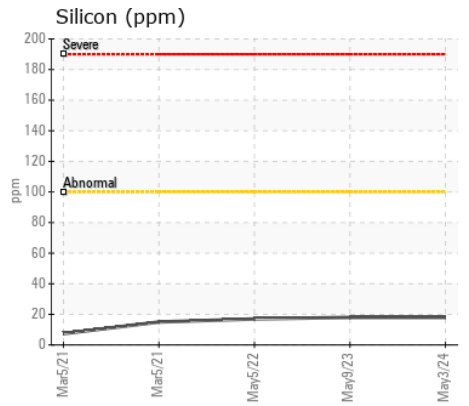
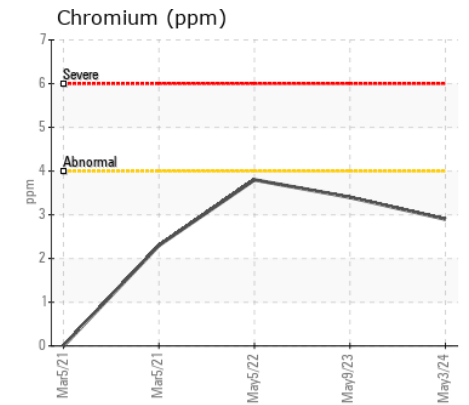
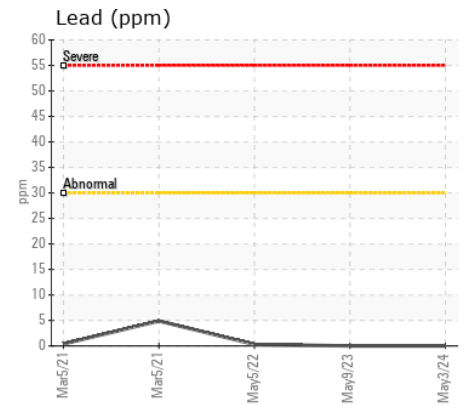
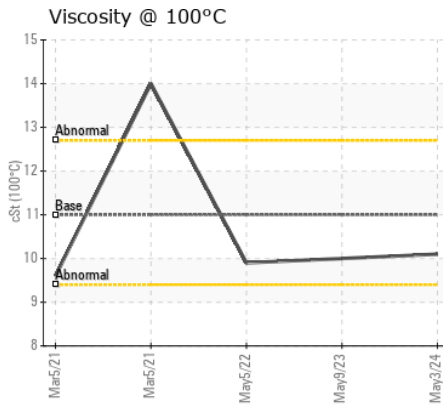
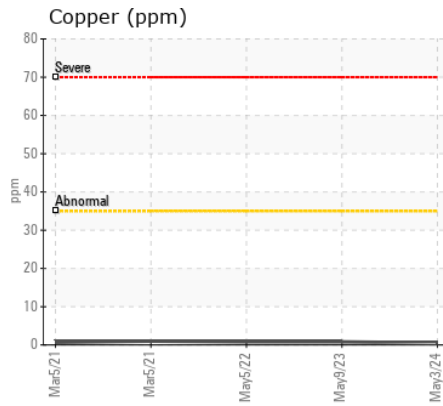
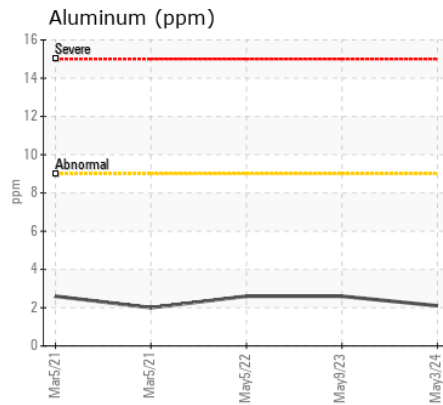
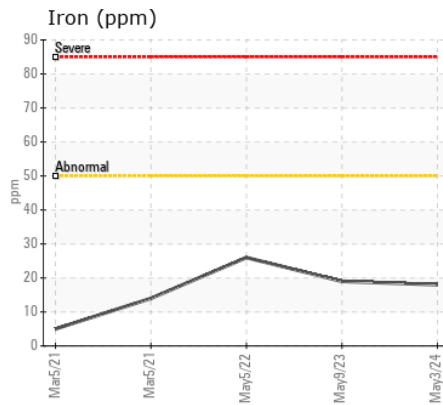
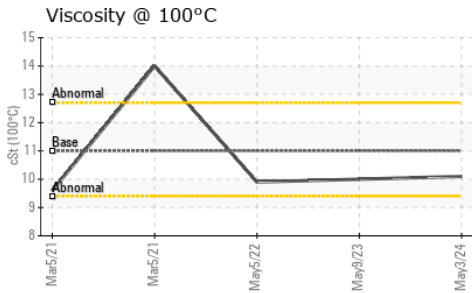
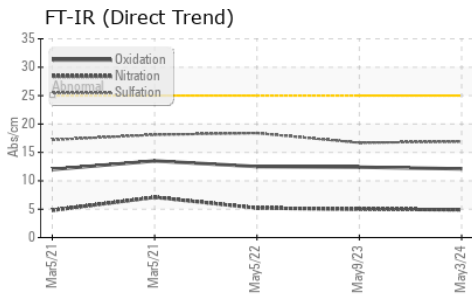
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>+100	18	18	17
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	4.9	5.0	5.2
Sulfation	Abs/.1mm	ASTM D7415*	>30	16.9	16.7	18.4
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		2	2	2
Boron	ppm	ASTM D5185(m)		<1	<1	2
Barium	ppm	ASTM D5185(m)		0	0	<1
Molybdenum	ppm	ASTM D5185(m)		43	42	41
Manganese	ppm	ASTM D5185(m)		<1	1	1
Magnesium	ppm	ASTM D5185(m)		19	12	13
Calcium	ppm	ASTM D5185(m)	2360	2278	2436	2228
Phosphorus	ppm	ASTM D5185(m)	1110	691	772	718
Zinc	ppm	ASTM D5185(m)	1220	795	784	775
Sulfur	ppm	ASTM D5185(m)		2535	2683	2572
Oxidation	Abs/.1mm	ASTM D7414*	>25	12.1	12.4	12.5
Visc @ 100°C	cSt	ASTM D7279(m)	11.0	10.1	▲ 10.0	9.9



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PN0005629
Lab Number : 02634932
Unique Number : 5776085
Test Package : MOB 1
Received : 13 May 2024
Tested : 13 May 2024
Diagnosed : 13 May 2024 - Kevin Marson

POWER STATION INC.
 1050 JAYSON COURT
 MISSISSAUGA, ON
 CA L4W 2V5
 Contact: Brett Kinkley
 Bkinkley@pwrstn.com
 T:
 F: (905)565-8544

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.