



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
800 KING ST W TORONTO ROOF MTCC 1302 CD6059T37867
 Component
Right Diesel Engine
 Fluid
ESSO XD-3 EXTRA 15W40 (20 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PN0006010	PN0004370	PN0003378
Sample Date		Client Info		12 Apr 2024	09 Mar 2023	18 Mar 2022
Machine Age	hrs	Client Info		143	136	126
Oil Age	hrs	Client Info		7	11	5
Filter Age	hrs	Client Info		7	11	5
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Not Chngd	Changed	Changed
Sample Status				NORMAL	MARGINAL	ABNORMAL

WEAR

Metal levels are typical for a new component breaking in.

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

CONTAMINATION

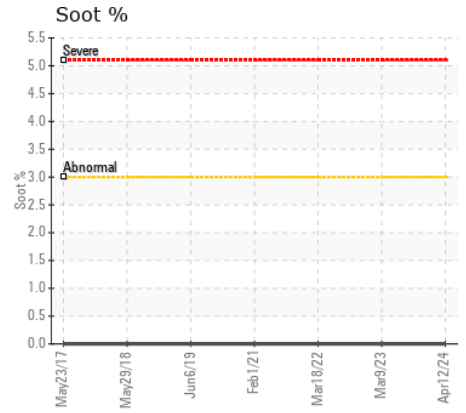
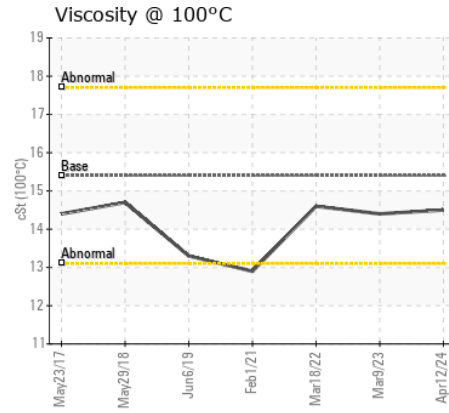
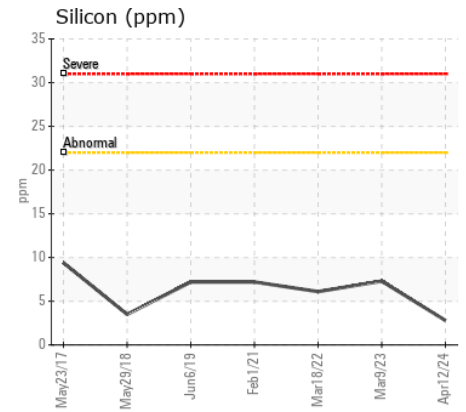
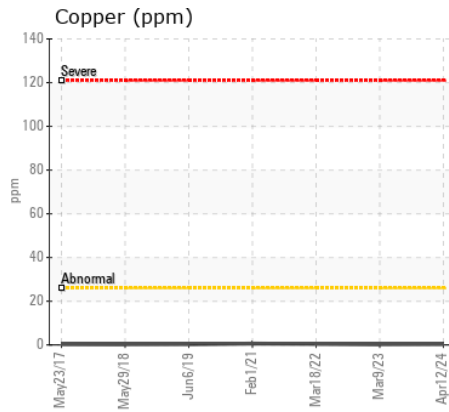
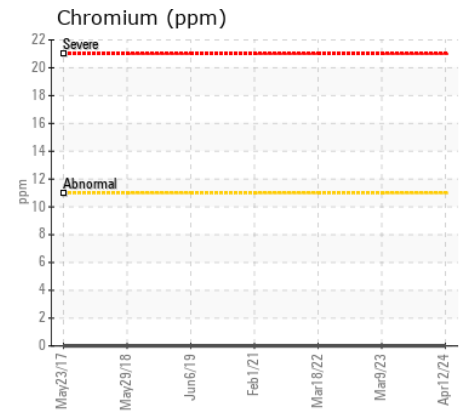
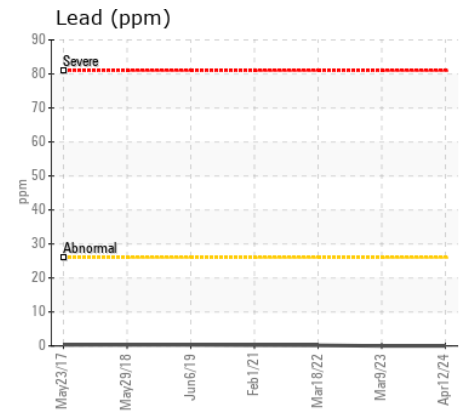
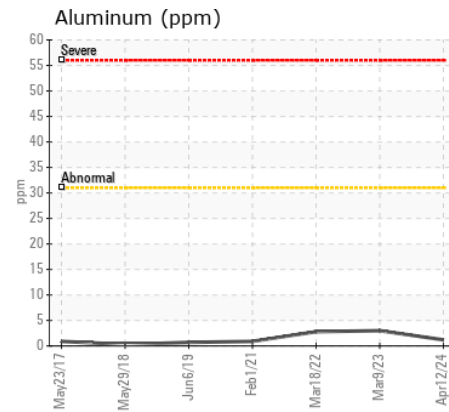
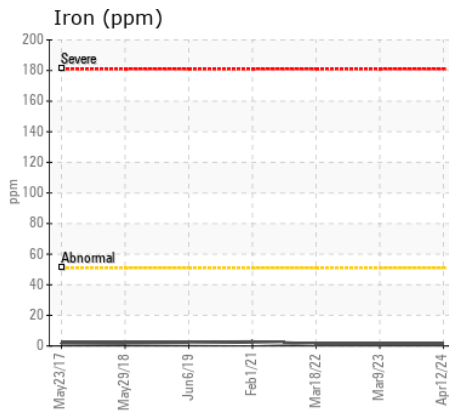
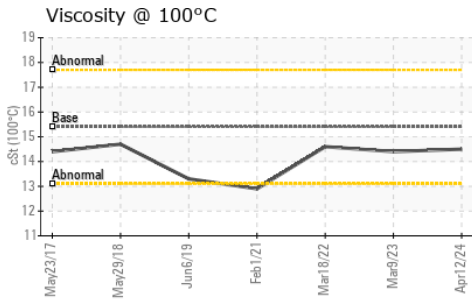
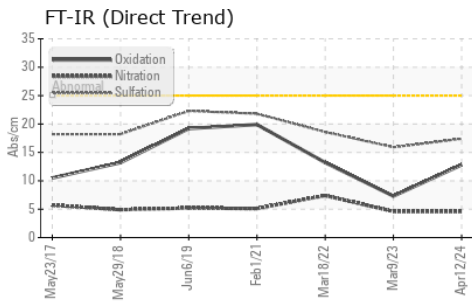
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>22	3	7	6
Potassium	ppm	ASTM D5185(m)	>20	0	0	<1
Fuel		WC Method	>2.1	<1.0	<1.0	<1.0
Water		WC Method	>0.21	NEG	NEG	NEG
Glycol		WC Method		NEG	▲ 0.013	▲ 0.067
Soot %	%	ASTM D7844*	>3	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	4.6	4.6	7.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	17.4	15.9	18.6
Emulsified Water	scalar	Visual*	>0.21	NEG	NEG	.2%

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)	>192	1	2	3
Boron	ppm	ASTM D5185(m)		10	73	77
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		59	83	81
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)		846	17	57
Calcium	ppm	ASTM D5185(m)	3780	1130	2193	2103
Phosphorus	ppm	ASTM D5185(m)	1370	972	1080	1037
Zinc	ppm	ASTM D5185(m)	1500	1142	1138	1143
Sulfur	ppm	ASTM D5185(m)	3800	2585	3235	3180
Oxidation	Abs/.1mm	ASTM D7414*	>25	12.8	7.3	13.2
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	14.5	14.4	14.6



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PN0006010
Lab Number : 02630526
Unique Number : 5763658
Test Package : MOB 1
Received : 22 Apr 2024
Tested : 22 Apr 2024
Diagnosed : 22 Apr 2024 - Wes Davis

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.