MOB

POWERStation
WWW.POWERSTATIONGENERATORS.COM
POWER GENERATION PRODUCTS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
5230 FINCH AVE W TORONTO 23 DIVISION CITY OF TORONTO 6CEXL015.AAB
Component
Right Diesel Engine
Fluid
ESSO XD-3 EXTRA 15W40 (90 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

Metal levels are typical for a new component breaking in.

CONTAMINATION

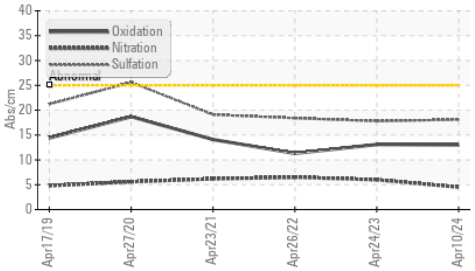
There is no indication of any contamination in the oil.

FLUID CONDITION

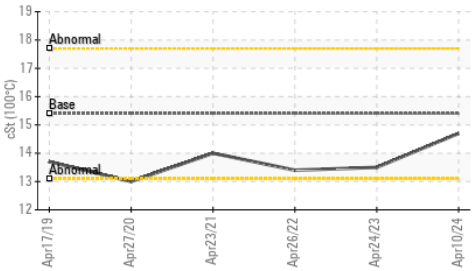
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PN0005911	PN0004724	PN0003233
Sample Date		Client Info		10 Apr 2024	24 Apr 2023	26 Apr 2022
Machine Age	hrs	Client Info		299	284	267
Oil Age	hrs	Client Info		15	17	54
Filter Age	hrs	Client Info		15	17	54
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Not Changd	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185(m)	>90	<1	1	1
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>2	0	0	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<1	2	2
Lead	ppm	ASTM D5185(m)	>40	0	<1	<1
Copper	ppm	ASTM D5185(m)	>330	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>15	0	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Silicon	ppm	ASTM D5185(m)	>25	2	3	4
Potassium	ppm	ASTM D5185(m)	>20	0	<1	<1
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>6	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	4.5	6.0	6.5
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.1	17.8	18.4
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	VLITE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185(m)	>192	1	2	2
Boron	ppm	ASTM D5185(m)		8	52	77
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		60	72	84
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)		893	331	42
Calcium	ppm	ASTM D5185(m)	3780	1133	1921	1949
Phosphorus	ppm	ASTM D5185(m)	1370	999	1084	1049
Zinc	ppm	ASTM D5185(m)	1500	1165	1136	1154
Sulfur	ppm	ASTM D5185(m)	3800	2667	3057	3230
Oxidation	Abs/.1mm	ASTM D7414*	>25	13.0	13.1	11.3
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	14.7	13.5	13.4

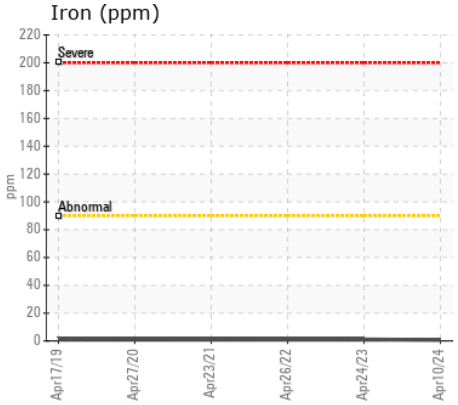
FT-IR (Direct Trend)



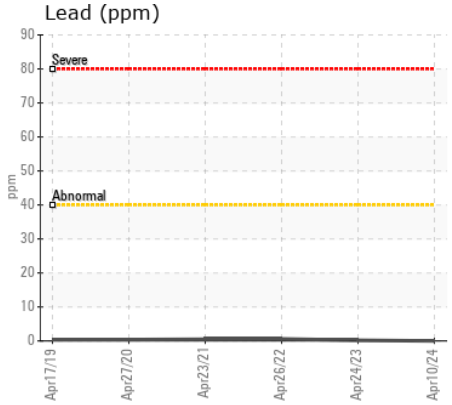
Viscosity @ 100°C



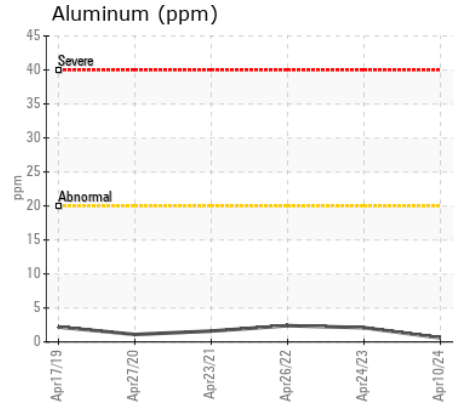
Iron (ppm)



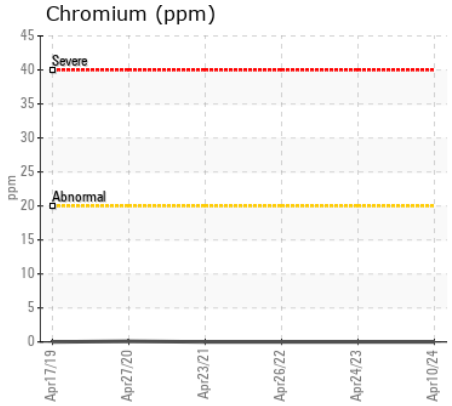
Lead (ppm)



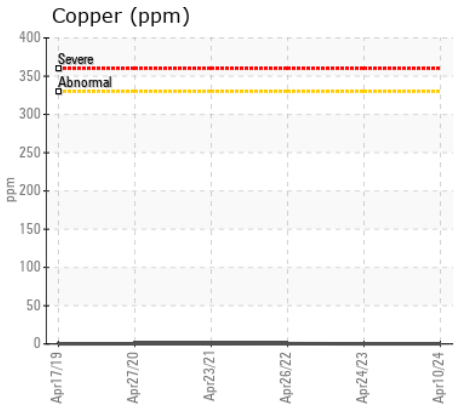
Aluminum (ppm)



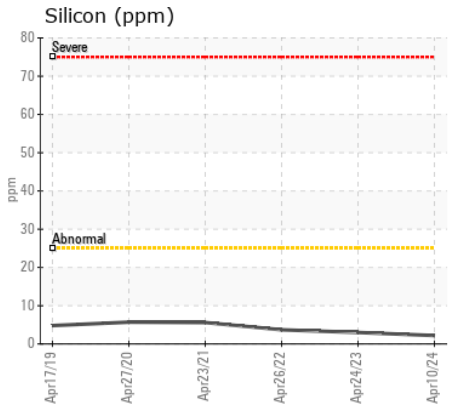
Chromium (ppm)



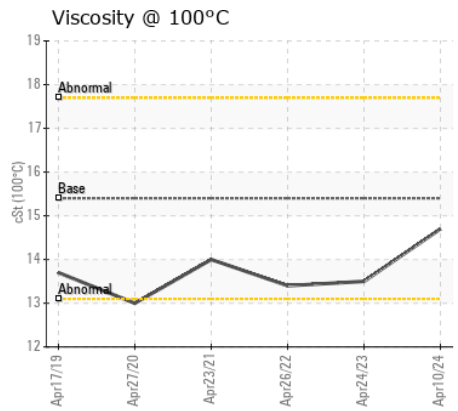
Copper (ppm)



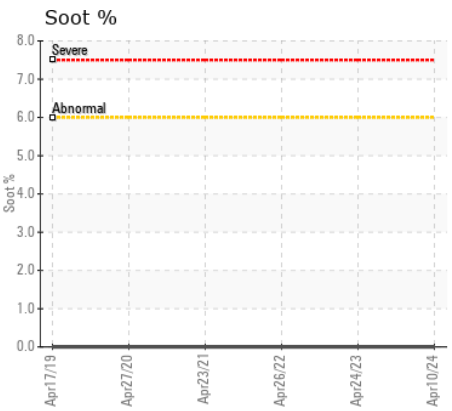
Silicon (ppm)



Viscosity @ 100°C



Soot %



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PN0005911 **Received** : 12 Apr 2024
Lab Number : 02628401 **Tested** : 12 Apr 2024
Unique Number : 5761533 **Diagnosed** : 12 Apr 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: Visual)

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