MOB

POWERStation
WWW.POWERSTATIONGENERATORS.COM
POWER GENERATION PRODUCTS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Machine Id
63 KING ST. UNIT #2 NEXACOR 12VA05237
Component
Rear Diesel Engine
Fluid
ESSO XD-3 EXTRA SAE 30 (35 LTR)

RECOMMENDATION

We advise that you check the fuel injection system. The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition.

WEAR

Metal levels are typical for a new component breaking in.

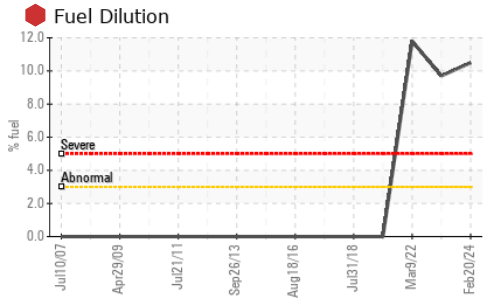
CONTAMINATION

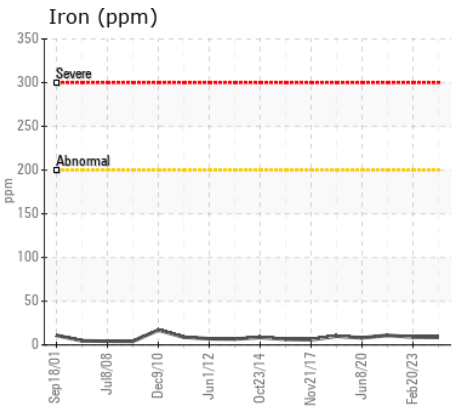
There is a high amount of fuel present in the oil. Tests confirm the presence of fuel in the oil.

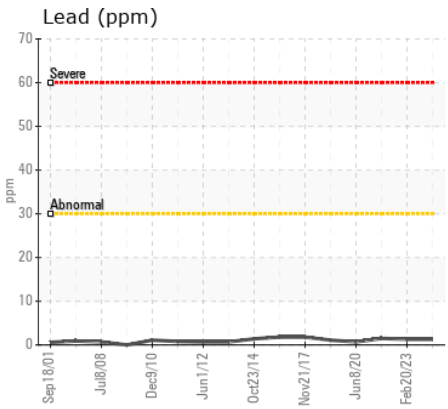
FLUID CONDITION

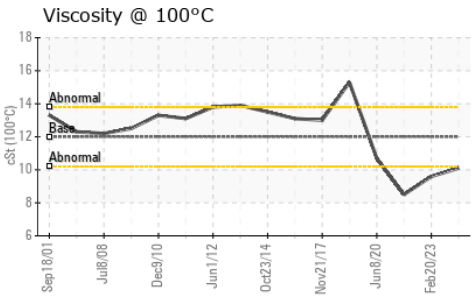
Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable due to the presence of contaminants.

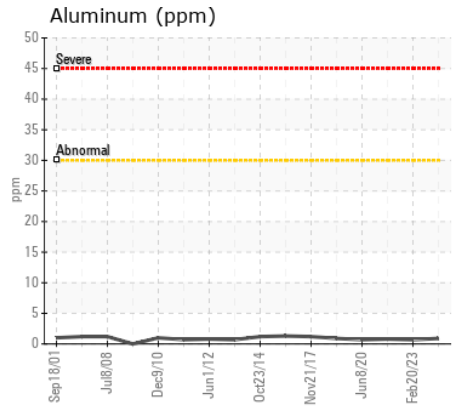
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PN0005717	PN0004484	PN0003323
Sample Date		Client Info		20 Feb 2024	20 Feb 2023	09 Mar 2022
Machine Age	hrs	Client Info		789	750	725
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				SEVERE	SEVERE	SEVERE
Iron	ppm	ASTM D5185(m)	>200	9	9	11
Chromium	ppm	ASTM D5185(m)	>20	0	0	0
Nickel	ppm	ASTM D5185(m)	>2	0	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>2	<1	0	0
Aluminum	ppm	ASTM D5185(m)	>30	<1	<1	<1
Lead	ppm	ASTM D5185(m)	>30	1	1	2
Copper	ppm	ASTM D5185(m)	>30	2	2	2
Tin	ppm	ASTM D5185(m)	>15	<1	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Silicon	ppm	ASTM D5185(m)	>30	2	2	2
Potassium	ppm	ASTM D5185(m)	>20	<1	0	1
Fuel	%	ASTM D7593*	>3.0	10.5	9.7	11.8
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	3.6	4.1	3.5
Sulfation	Abs/.1mm	ASTM D7415*	>30	12.6	14.9	13.6
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185(m)	>16	9	6	10
Boron	ppm	ASTM D5185(m)		6	13	11
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		4	11	10
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)		496	57	79
Calcium	ppm	ASTM D5185(m)	2550	1668	2899	2005
Phosphorus	ppm	ASTM D5185(m)	1000	849	718	733
Zinc	ppm	ASTM D5185(m)	1120	926	724	796
Sulfur	ppm	ASTM D5185(m)		2458	2191	2007
Oxidation	Abs/.1mm	ASTM D7414*	>25	5.5	5.4	5.3
Visc @ 100°C	cSt	ASTM D7279(m)	12.0	10.1	9.6	8.5

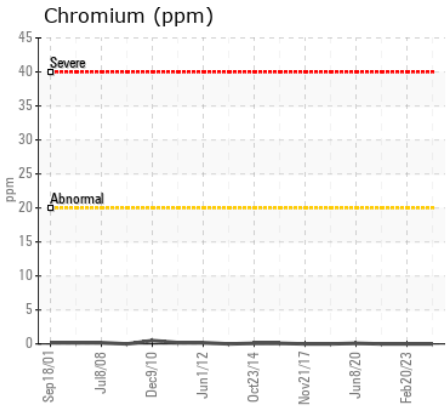


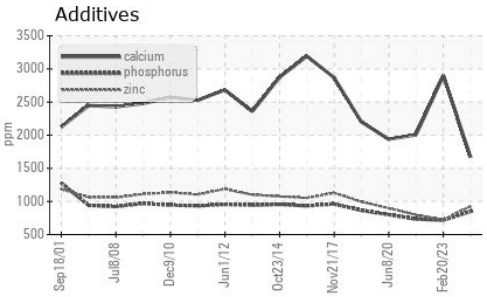


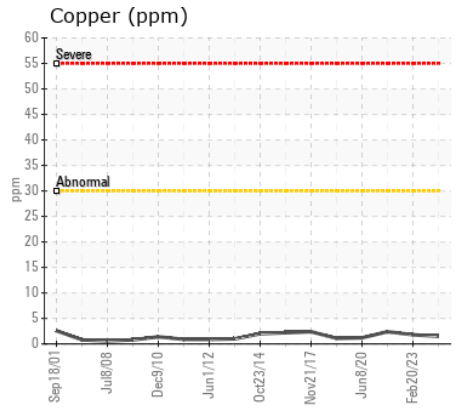


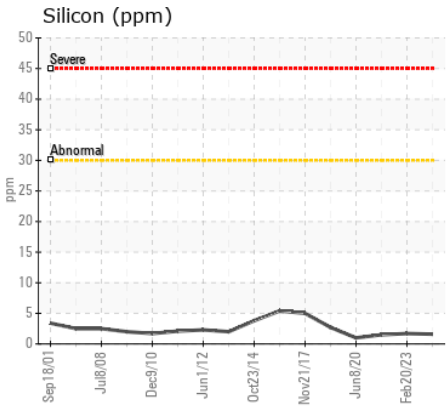


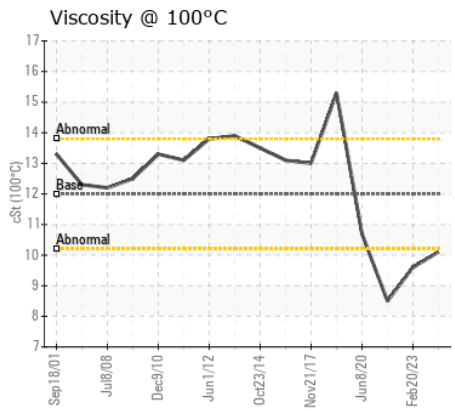


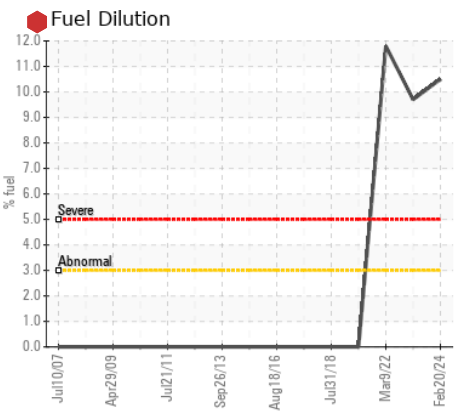












ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PN0005717 **Received** : 21 Feb 2024
Lab Number : 02616830 **Tested** : 22 Feb 2024
Unique Number : 5733940 **Diagnosed** : 22 Feb 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: 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