MOB

POWERStation
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POWER GENERATION PRODUCTS

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[86486]
Machine Id
155 UNIVERSITY AVE TORONTO GWL GWL
Component
Rear Diesel Engine
Fluid
ESSO XD-3 EXTRA 15W40 (35 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

Metal levels are typical for a new component breaking in.

CONTAMINATION

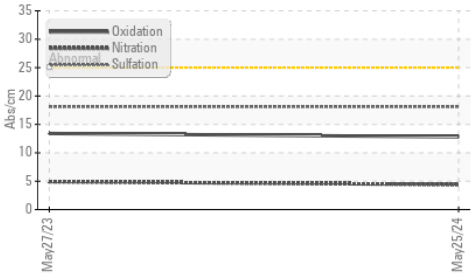
There is no indication of any contamination in the oil.

FLUID CONDITION

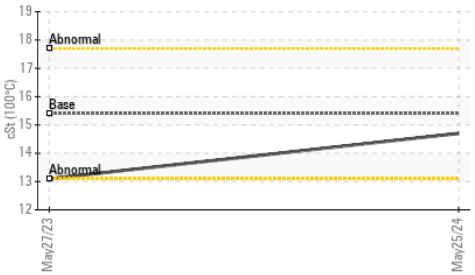
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PN0006112	PN0004789	---
Sample Date		Client Info		25 May 2024	27 May 2023	---
Machine Age	hrs	Client Info		89	61	---
Oil Age	hrs	Client Info		61	0	---
Filter Age	hrs	Client Info		61	0	---
Oil Changed		Client Info		Not Changd	Changed	---
Filter Changed		Client Info		Not Changd	Not Changd	---
Sample Status				NORMAL	NORMAL	---
Iron	ppm	ASTM D5185(m)	>51	4	4	---
Chromium	ppm	ASTM D5185(m)	>11	0	0	---
Nickel	ppm	ASTM D5185(m)	>5	0	0	---
Titanium	ppm	ASTM D5185(m)		0	<1	---
Silver	ppm	ASTM D5185(m)	>3	0	0	---
Aluminum	ppm	ASTM D5185(m)	>31	<1	1	---
Lead	ppm	ASTM D5185(m)	>26	0	<1	---
Copper	ppm	ASTM D5185(m)	>26	<1	1	---
Tin	ppm	ASTM D5185(m)	>4	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	VLITE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Silicon	ppm	ASTM D5185(m)	>22	2	6	---
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	---
Fuel		WC Method	>2.1	<1.0	<1.0	---
Water		WC Method	>0.21	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	ASTM D7844*	>3	0	0	---
Nitration	Abs/cm	ASTM D7624*	>20	4.4	4.9	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	18.1	18.1	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	VLITE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.21	NEG	NEG	---
Sodium	ppm	ASTM D5185(m)	>192	1	2	---
Boron	ppm	ASTM D5185(m)		6	52	---
Barium	ppm	ASTM D5185(m)		0	0	---
Molybdenum	ppm	ASTM D5185(m)		59	76	---
Manganese	ppm	ASTM D5185(m)		0	<1	---
Magnesium	ppm	ASTM D5185(m)		924	666	---
Calcium	ppm	ASTM D5185(m)	3780	1062	1349	---
Phosphorus	ppm	ASTM D5185(m)	1370	1008	985	---
Zinc	ppm	ASTM D5185(m)	1500	1156	1025	---
Sulfur	ppm	ASTM D5185(m)	3800	2564	2588	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	12.8	13.4	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	14.7	13.1	---

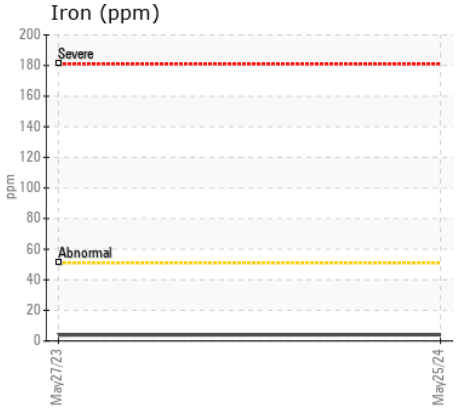
FT-IR (Direct Trend)



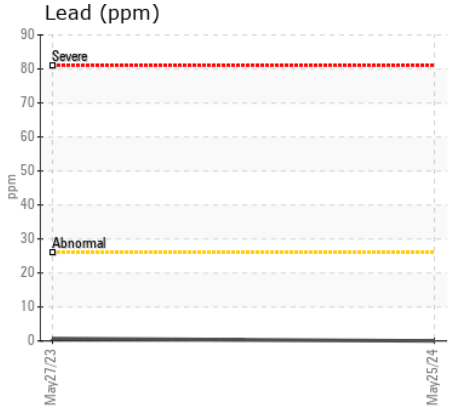
Viscosity @ 100°C



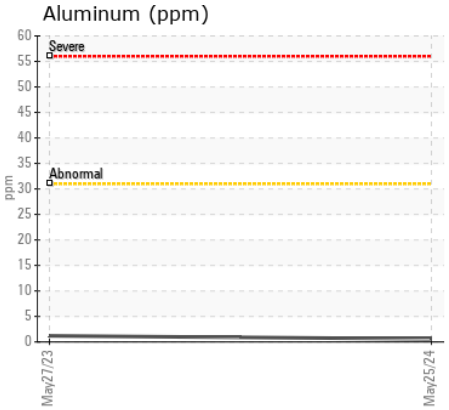
Iron (ppm)



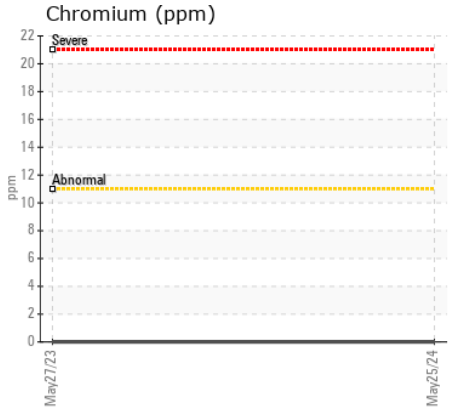
Lead (ppm)



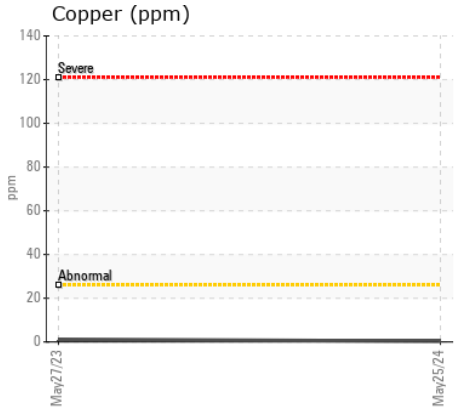
Aluminum (ppm)



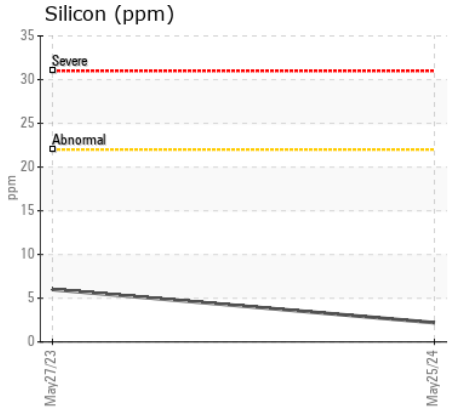
Chromium (ppm)



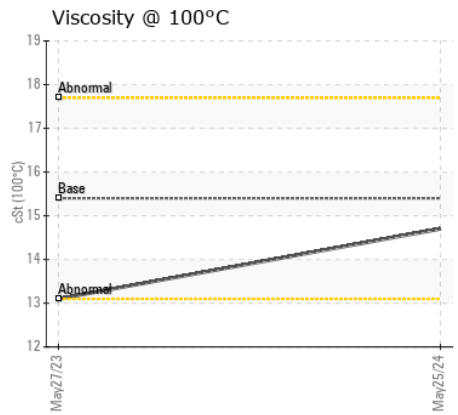
Copper (ppm)



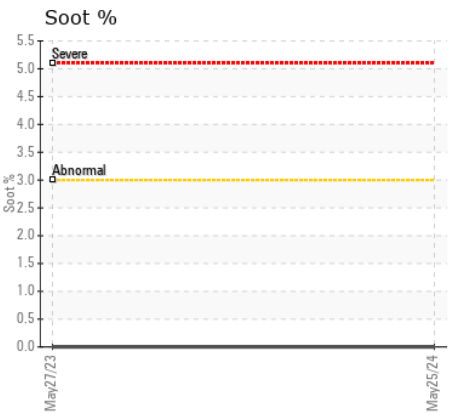
Silicon (ppm)



Viscosity @ 100°C



Soot %



ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PN0006112 **Received** : 30 May 2024
Lab Number : 02638816 **Tested** : 30 May 2024
Unique Number : 5787978 **Diagnosed** : 30 May 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: Crystal Noel
cnoel@pwrstn.com
T: (905)565-1621
F: (905)565-8544