



Area
[83803]
 Machine Id
2200 ALTON RD PICKERING YORK REGION S9L04384
 Component
Rear Diesel Engine
 Fluid
ESSO XD-3 EXTRA 15W40 (7 LTR)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PN0005640	---	---
Sample Date		Client Info		16 Jan 2024	---	---
Machine Age	hrs	Client Info		184	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Not Changd	---	---
Sample Status				ABNORMAL	---	---

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>100	2	---	---
Chromium	ppm	ASTM D5185(m)	>20	0	---	---
Nickel	ppm	ASTM D5185(m)	>2	<1	---	---
Titanium	ppm	ASTM D5185(m)	>2	0	---	---
Silver	ppm	ASTM D5185(m)	>2	0	---	---
Aluminum	ppm	ASTM D5185(m)	>25	1	---	---
Lead	ppm	ASTM D5185(m)	>40	<1	---	---
Copper	ppm	ASTM D5185(m)	>330	<1	---	---
Tin	ppm	ASTM D5185(m)	>15	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

CONTAMINATION

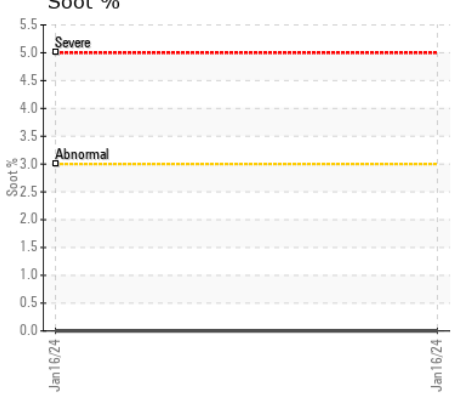
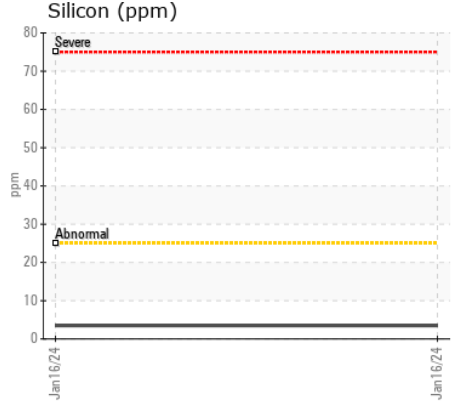
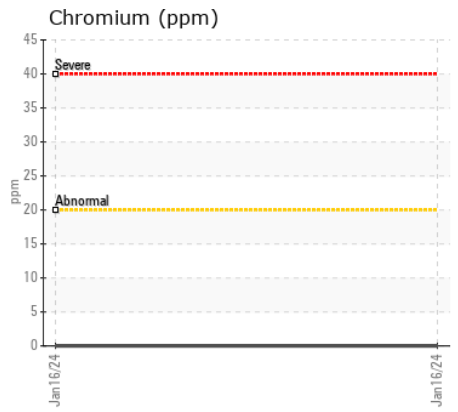
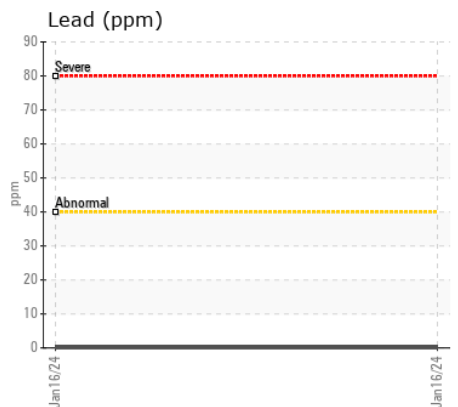
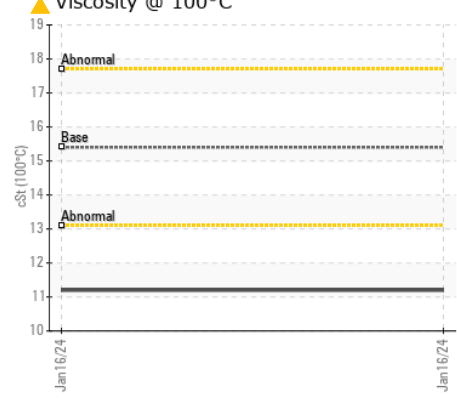
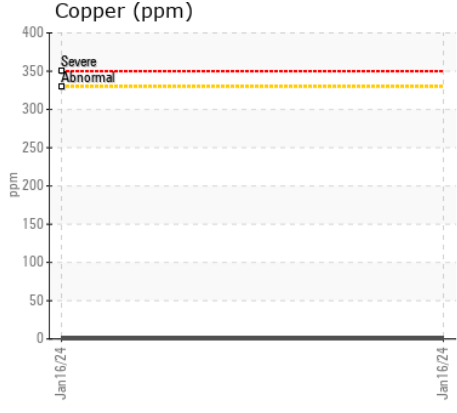
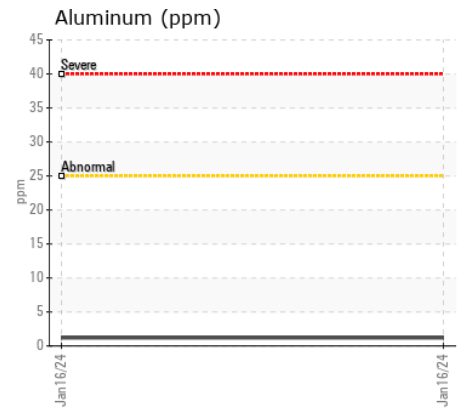
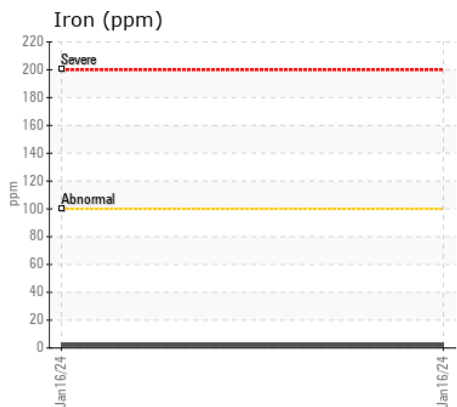
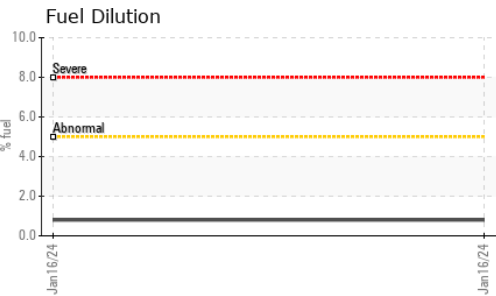
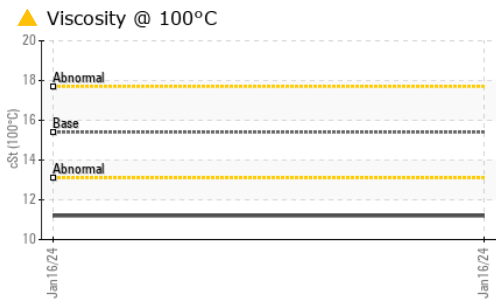
Fuel content negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	4	---	---
Potassium	ppm	ASTM D5185(m)	>20	8	---	---
Fuel	%	ASTM D7593*	>5	0.8	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*	>3	0	---	---
Nitration	Abs/cm	ASTM D7624*	>20	4.7	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	22.4	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---

FLUID CONDITION

Viscosity of sample indicates oil is within SAE 30 range, advise investigate. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)	>192	2	---	---
Boron	ppm	ASTM D5185(m)		61	---	---
Barium	ppm	ASTM D5185(m)		0	---	---
Molybdenum	ppm	ASTM D5185(m)		40	---	---
Manganese	ppm	ASTM D5185(m)		0	---	---
Magnesium	ppm	ASTM D5185(m)		506	---	---
Calcium	ppm	ASTM D5185(m)	3780	1673	---	---
Phosphorus	ppm	ASTM D5185(m)	1370	943	---	---
Zinc	ppm	ASTM D5185(m)	1500	1044	---	---
Sulfur	ppm	ASTM D5185(m)	3800	2634	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	19.2	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	▲ 11.2	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PN0005640 **Received** : 19 Jan 2024
Lab Number : 02609880 **Diagnosed** : 22 Jan 2024
Unique Number : 5710966 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel)

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.