



Machine Id
19776 LELSIE ST QUEENSVILLE YORK REGION YORK REGION

Component
Rear Diesel Engine

Fluid
ESSO XD-3 EXTRA 15W40 (30 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PN0005773	---	---
Sample Date		Client Info		14 Feb 2024	---	---
Machine Age	hrs	Client Info		663	---	---
Oil Age	hrs	Client Info		25	---	---
Filter Age	hrs	Client Info		25	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>100	14	---	---
Chromium	ppm	ASTM D5185(m)	>20	<1	---	---
Nickel	ppm	ASTM D5185(m)	>4	<1	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)	>3	0	---	---
Aluminum	ppm	ASTM D5185(m)	>20	1	---	---
Lead	ppm	ASTM D5185(m)	>40	5	---	---
Copper	ppm	ASTM D5185(m)	>330	2	---	---
Tin	ppm	ASTM D5185(m)	>15	2	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---

CONTAMINATION

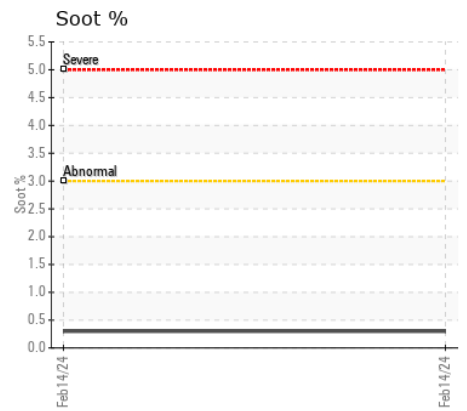
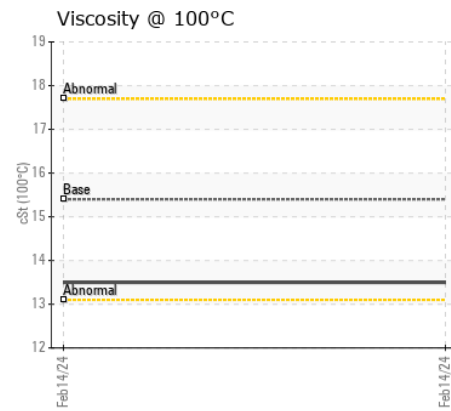
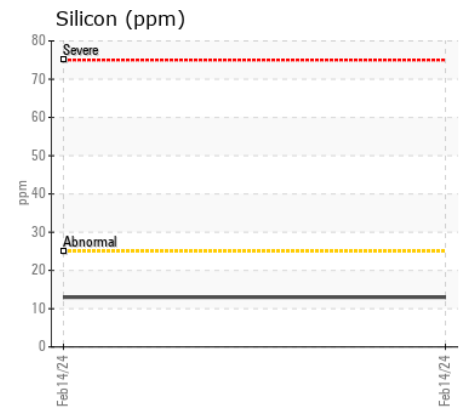
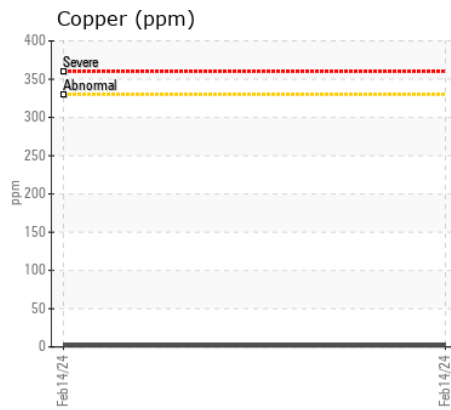
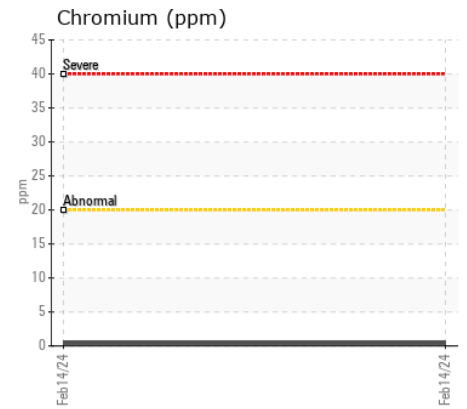
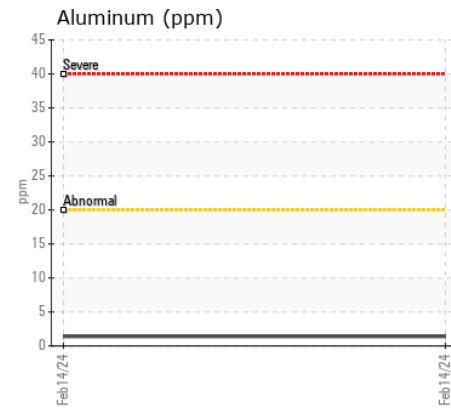
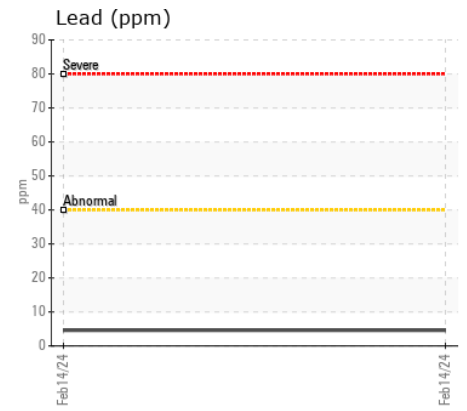
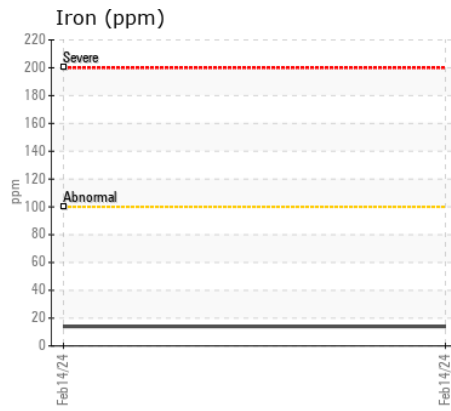
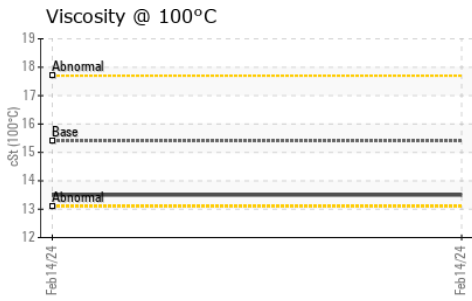
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	13	---	---
Potassium	ppm	ASTM D5185(m)	>20	1	---	---
Fuel		WC Method	>5	<1.0	---	---
Water		WC Method	>0.2	NEG	---	---
Glycol		WC Method		NEG	---	---
Soot %	%	ASTM D7844*	>3	0.3	---	---
Nitration	Abs/cm	ASTM D7624*	>20	5.4	---	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	15.9	---	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)	>192	2	---	---
Boron	ppm	ASTM D5185(m)		18	---	---
Barium	ppm	ASTM D5185(m)		0	---	---
Molybdenum	ppm	ASTM D5185(m)		12	---	---
Manganese	ppm	ASTM D5185(m)		0	---	---
Magnesium	ppm	ASTM D5185(m)		159	---	---
Calcium	ppm	ASTM D5185(m)	3780	2488	---	---
Phosphorus	ppm	ASTM D5185(m)	1370	701	---	---
Zinc	ppm	ASTM D5185(m)	1500	783	---	---
Sulfur	ppm	ASTM D5185(m)	3800	6125	---	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	8.5	---	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.4	13.5	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PN0005773
Lab Number : 02616828
Unique Number : 5733938
Test Package : MOB 1
Received : 21 Feb 2024
Tested : 21 Feb 2024
Diagnosed : 22 Feb 2024 - Kevin Marson

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.