



**POWER SYSTEMS**  
**SYSTÈMES DE PUISSANCE**

OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area  
**SHEDIAC SEWERAGE [6100246557]**

Machine Id  
**4054T426062**

Component  
**Diesel Engine**

Fluid  
**DIESEL ENGINE OIL SAE 15W40 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WA0020810</b>	WA0019342	---
Sample Date		Client Info		<b>12 Jan 2024</b>	17 Feb 2023	---
Machine Age	hrs	Client Info		<b>555</b>	532	---
Oil Age	hrs	Client Info		<b>23</b>	69	---
Filter Age	hrs	Client Info		<b>23</b>	69	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

**WEAR**

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>51	<b>1</b>	2	---
Chromium	ppm	ASTM D5185(m)	>11	<b>0</b>	0	---
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	0	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>31	<b>1</b>	3	---
Lead	ppm	ASTM D5185(m)	>26	<b>0</b>	0	---
Copper	ppm	ASTM D5185(m)	>26	<b>&lt;1</b>	0	---
Tin	ppm	ASTM D5185(m)	>4	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---

**CONTAMINATION**

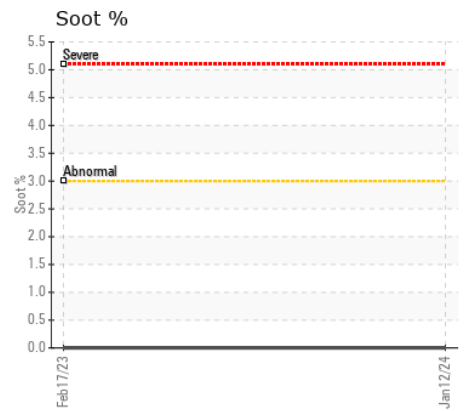
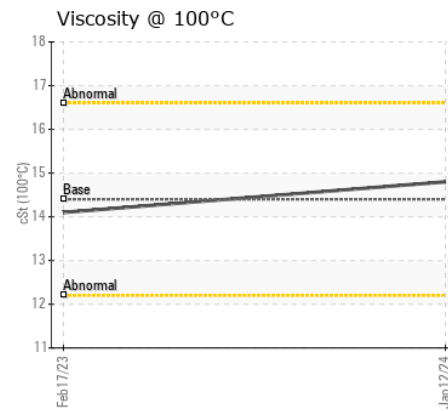
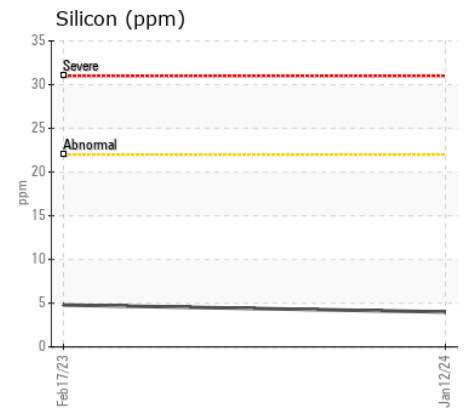
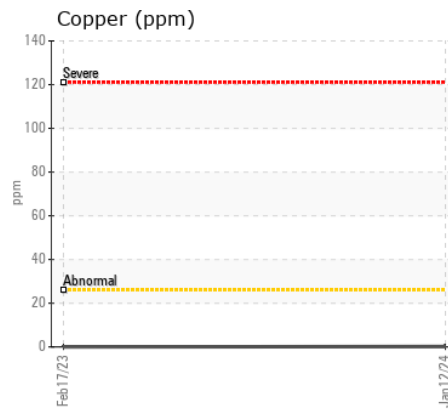
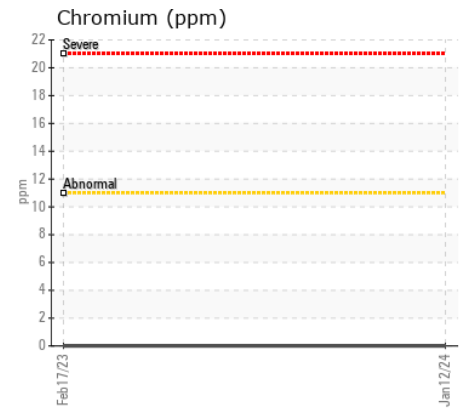
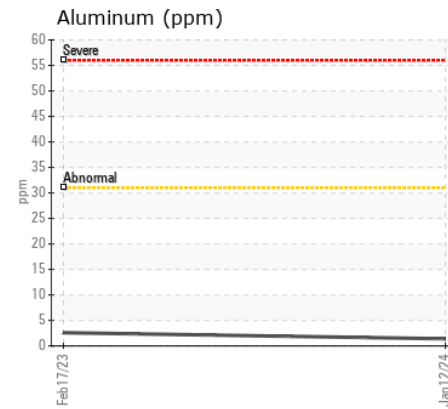
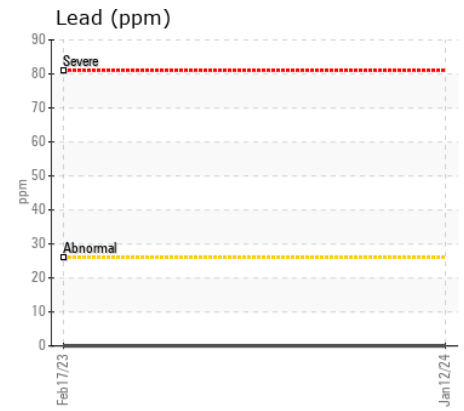
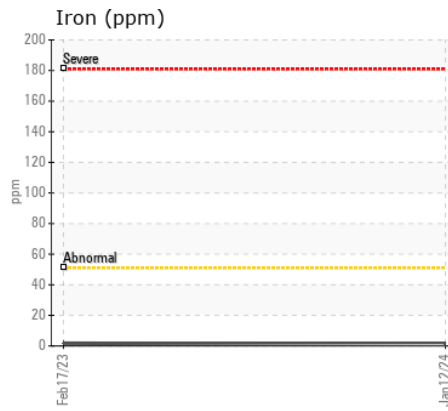
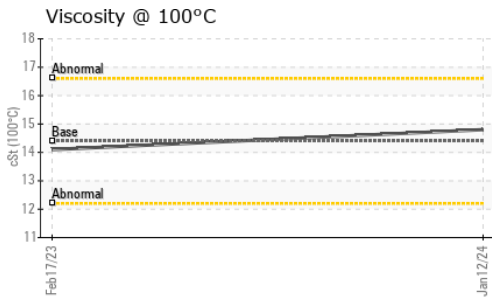
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>22	<b>4</b>	5	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	---
Fuel		WC Method	>2.1	<b>&lt;1.0</b>	<1.0	---
Water		WC Method	>0.21	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	NEG	---
Soot %	%	ASTM D7844*	>3	<b>0</b>	0	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>4.8</b>	8.2	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>18.4</b>	19.2	---
Emulsified Water	scalar	Visual*	>0.21	<b>NEG</b>	NEG	---

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185(m)	>158	<b>1</b>	2	---
Boron	ppm	ASTM D5185(m)	250	<b>8</b>	71	---
Barium	ppm	ASTM D5185(m)	10	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	100	<b>57</b>	78	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	---
Magnesium	ppm	ASTM D5185(m)	450	<b>892</b>	18	---
Calcium	ppm	ASTM D5185(m)	3000	<b>1061</b>	2229	---
Phosphorus	ppm	ASTM D5185(m)	1150	<b>983</b>	1097	---
Zinc	ppm	ASTM D5185(m)	1350	<b>1119</b>	1142	---
Sulfur	ppm	ASTM D5185(m)	4250	<b>2711</b>	3234	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>13.4</b>	13.9	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	<b>14.8</b>	14.1	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WA0020810 **Received** : 17 Jan 2024  
**Lab Number** : 02609224 **Diagnosed** : 17 Jan 2024  
**Unique Number** : 5710310 **Diagnostician** : Wes Davis  
**Test Package** : MOB 1

**Wajax Power Systems**  
 485 VENTURE DR  
 MONCTON, NB  
 CA E1H 2P4  
 Contact: Doug Balsler  
 dbalsler@wajax.com  
 T: (506)855-5371  
 F: (506)870-4448

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.