



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

OIL ANALYSIS REPORT

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

Area  
**GREATER SHEDIAC SEWERAGE [180530]**

Machine Id  
**KOHLER 4714301500**

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>WA0019592</b>	WA0019338	---
Sample Date		Client Info		<b>08 Jan 2024</b>	16 Feb 2023	---
Machine Age	hrs	Client Info		<b>315</b>	291	---
Oil Age	hrs	Client Info		<b>0</b>	121	---
Filter Age	hrs	Client Info		<b>0</b>	121	---
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)	>100	<b>1</b>	3	---
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	---
Nickel	ppm	ASTM D5185(m)	>4	<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)	>20	<b>1</b>	3	---
Lead	ppm	ASTM D5185(m)	>40	<b>0</b>	0	---
Copper	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	<1	---
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---

**CONTAMINATION**

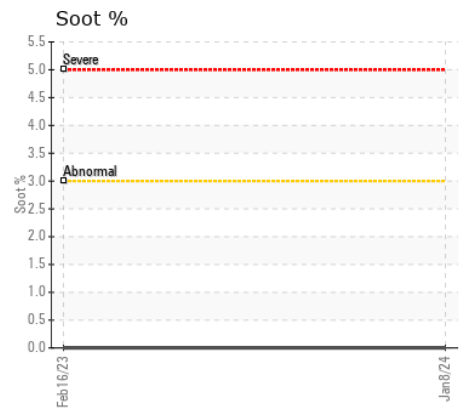
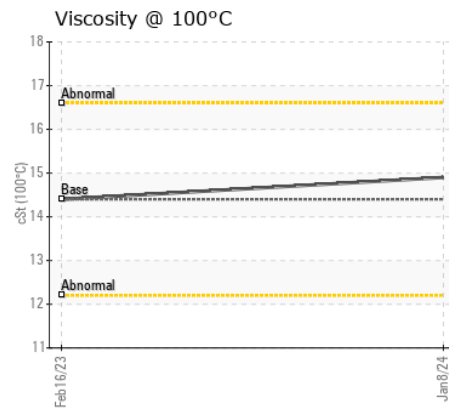
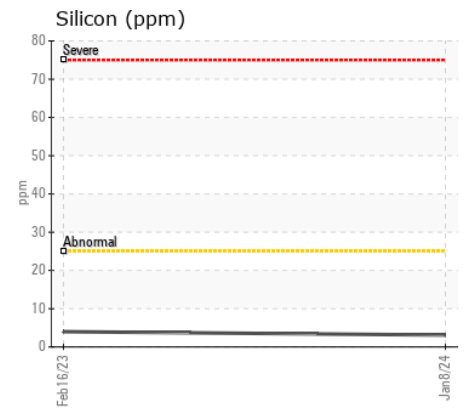
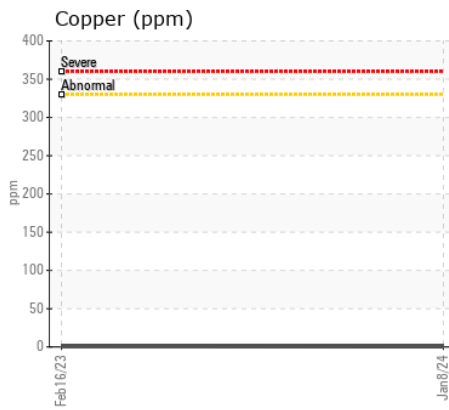
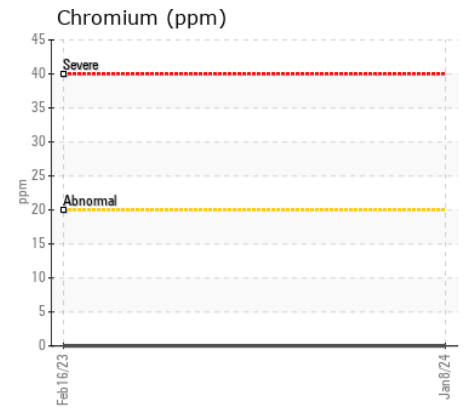
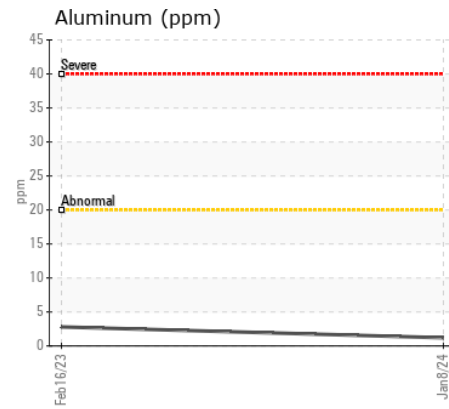
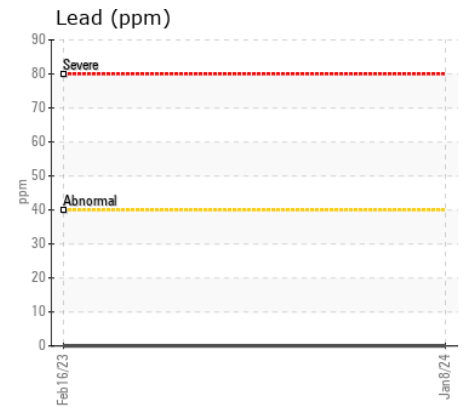
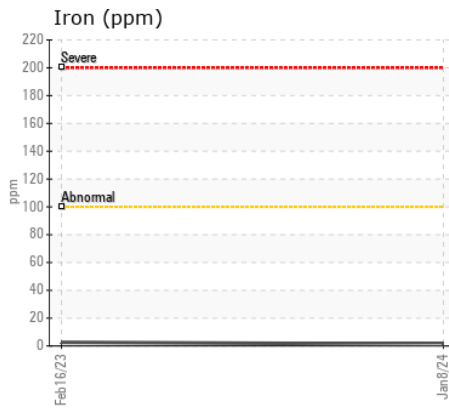
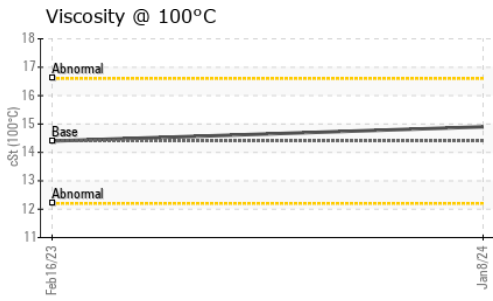
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>3</b>	4	---
Potassium	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	---
Fuel		WC Method	>5	<b>&lt;1.0</b>	<1.0	---
Water		WC Method	>0.2	<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>5.2</b>	8.1	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>18.2</b>	18.8	---
Emulsified Water	scalar	Visual*	>0.2	<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>	3	---
Boron	ppm	ASTM D5185(m)	250	<b>8</b>	50	---
Barium	ppm	ASTM D5185(m)	10	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	100	<b>58</b>	66	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185(m)	450	<b>824</b>	33	---
Calcium	ppm	ASTM D5185(m)	3000	<b>1139</b>	2215	---
Phosphorus	ppm	ASTM D5185(m)	1150	<b>989</b>	1053	---
Zinc	ppm	ASTM D5185(m)	1350	<b>1108</b>	1129	---
Sulfur	ppm	ASTM D5185(m)	4250	<b>2718</b>	3217	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>13.3</b>	13.1	---
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	<b>14.9</b>	14.4	---



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WA0019592 **Received** : 16 Jan 2024  
**Lab Number** : 02608939 **Diagnosed** : 16 Jan 2024  
**Unique Number** : 5710025 **Diagnostician** : Wes Davis  
**Test Package** : MOB 1

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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.