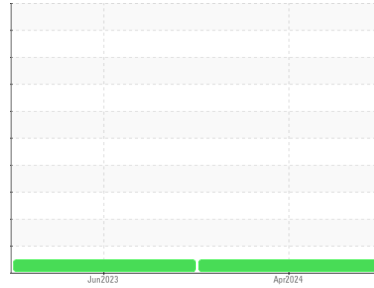


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**WESTMORE LAND FISHERIES [6100276149]**  
Machine Id  
**MTU 5452000290**  
Component  
**Diesel Engine**  
Fluid  
 **DIESEL ENGINE OIL SAE 15W40 (--- GAL)**

**DIAGNOSIS**

**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.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>WA0021185</b>	WA0019372	---
Sample Date	Client Info			<b>08 Apr 2024</b>	06 Jun 2023	---
Machine Age	hrs	Client Info		<b>136</b>	117	---
Oil Age	hrs	Client Info		<b>19</b>	117	---
Oil Changed	Client Info			<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	NORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
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	---

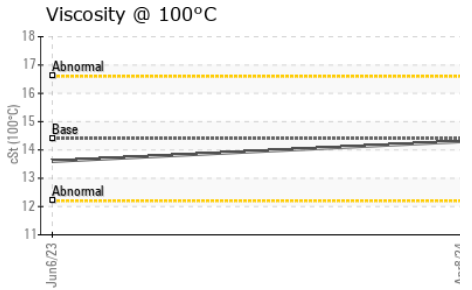
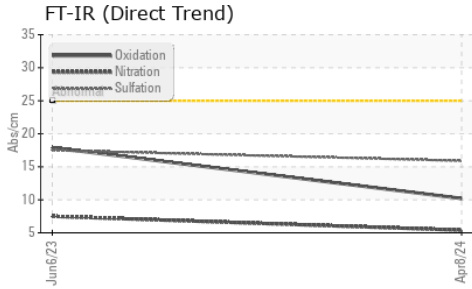
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	<b>2</b>	4	---
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	0	---
Nickel	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	---
Lead	ppm	ASTM D5185(m)	>40	<b>0</b>	1	---
Copper	ppm	ASTM D5185(m)	>330	<b>3</b>	13	---
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	---
Antimony	ppm	ASTM D5185(m)		<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	250	<b>22</b>	105	---
Barium	ppm	ASTM D5185(m)	10	<b>&lt;1</b>	<1	---
Molybdenum	ppm	ASTM D5185(m)	100	<b>9</b>	47	---
Manganese	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Magnesium	ppm	ASTM D5185(m)	450	<b>162</b>	848	---
Calcium	ppm	ASTM D5185(m)	3000	<b>2148</b>	1346	---
Phosphorus	ppm	ASTM D5185(m)	1150	<b>866</b>	794	---
Zinc	ppm	ASTM D5185(m)	1350	<b>981</b>	819	---
Sulfur	ppm	ASTM D5185(m)	4250	<b>2863</b>	2141	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	<b>2</b>	4	---
Sodium	ppm	ASTM D5185(m)	>158	<b>2</b>	5	---
Potassium	ppm	ASTM D5185(m)	>20	<b>1</b>	2	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	<b>0</b>	0	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>5.4</b>	7.5	---
Sulfation	Abs./1mm	ASTM D7415*	>30	<b>15.9</b>	17.5	---

# OIL ANALYSIS REPORT



### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	10.2	17.9

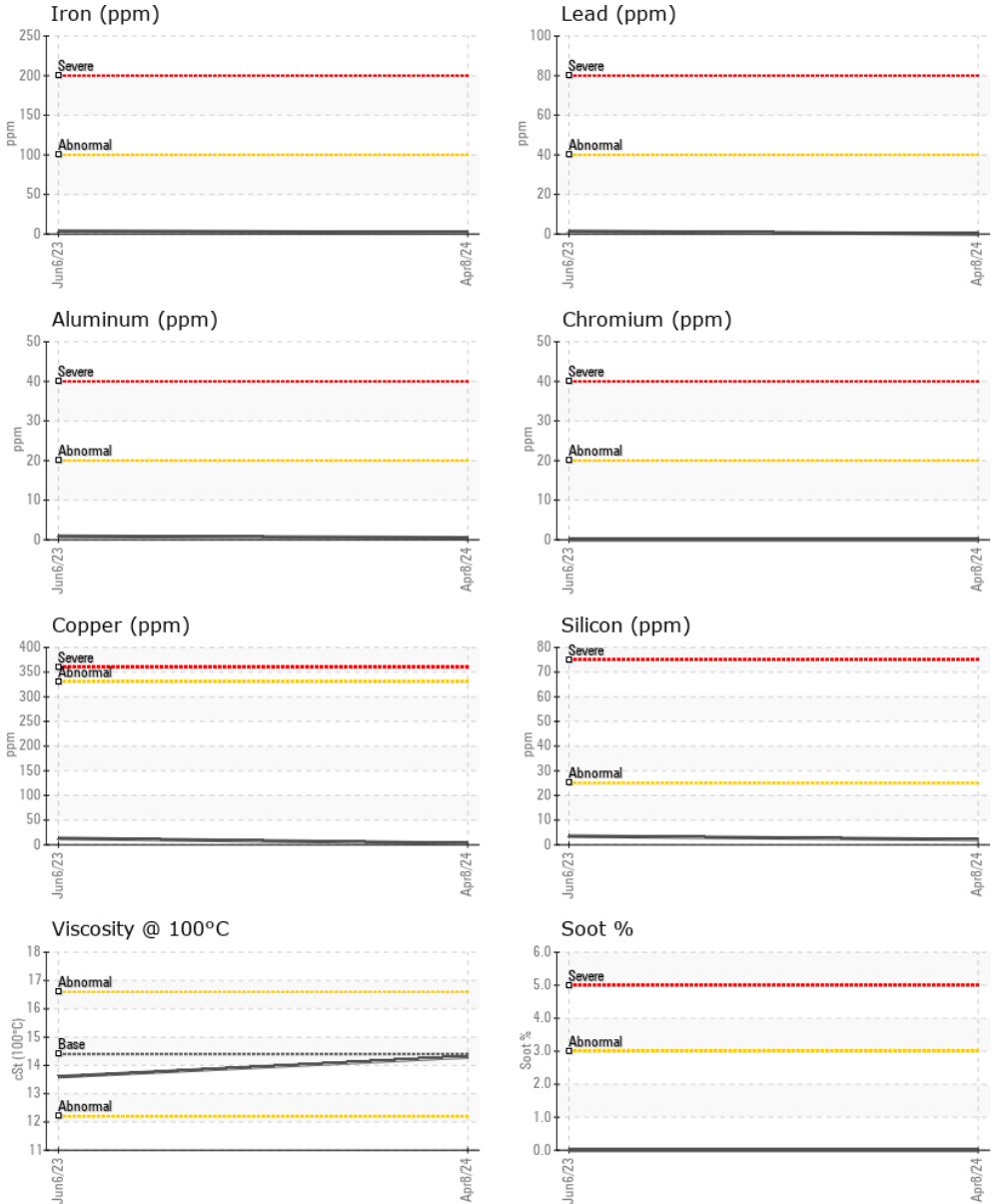
### VISUAL

	method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

### FLUID PROPERTIES

	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	14.3	13.6

### GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WA0021185 **Received** : 11 Apr 2024  
**Lab Number** : **02628116** **Tested** : 11 Apr 2024  
**Unique Number** : 5761248 **Diagnosed** : 11 Apr 2024 - Wes Davis  
**Test Package** : MOB 1

**Wajax Power Systems**  
 485 VENTURE DR  
 MONCTON, NB  
 CA E1H 2P4  
 Contact: M Cormier  
 mcormier@wajax.com  
 T: (902)496-5467  
 F:

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.