

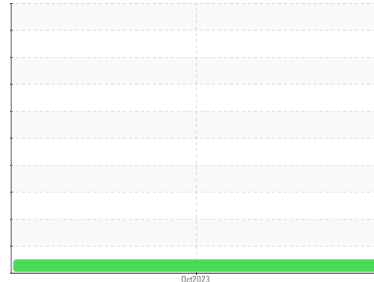
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**

Area  
**STQ [6100142280]**  
Machine Id  
**06R0721021**

Component  
**Diesel Engine**  
Fluid  
**CASTROL CRB Multi 15W-40 CK-4 (--- GAL)**



## DIAGNOSIS

### Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

### Wear

Les taux de métaux sont typiques d'une première vidange.

### Contamination

Il n'y a aucun indice de contamination dans l'huile.

### Fluid Condition

Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l'huile. L'état de l'huile permet d'en prolonger l'utilisation.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WA0019394</b>	---	---
Sample Date	Client Info		<b>06 Oct 2023</b>	---	---
Machine Age	hrs	Client Info	<b>2</b>	---	---
Oil Age	hrs	Client Info	<b>2</b>	---	---
Oil Changed	Client Info		<b>Changed</b>	---	---
Sample Status			<b>NORMAL</b>	---	---

## CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>3.0	<b>&lt;1.0</b>	---	---
Glycol	WC Method		<b>NEG</b>	---	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>200	<b>4</b>	---
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	---
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	---
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	---
Silver	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	---
Aluminum	ppm	ASTM D5185(m)	>30	<b>1</b>	---
Lead	ppm	ASTM D5185(m)	>30	<b>1</b>	---
Copper	ppm	ASTM D5185(m)	>30	<b>6</b>	---
Tin	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	---
Antimony	ppm	ASTM D5185(m)		<b>0</b>	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	---
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	---
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<b>7</b>	---
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---
Molybdenum	ppm	ASTM D5185(m)		<b>18</b>	---
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	---
Magnesium	ppm	ASTM D5185(m)		<b>260</b>	---
Calcium	ppm	ASTM D5185(m)		<b>1955</b>	---
Phosphorus	ppm	ASTM D5185(m)		<b>902</b>	---
Zinc	ppm	ASTM D5185(m)		<b>1053</b>	---
Sulfur	ppm	ASTM D5185(m)		<b>2940</b>	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---

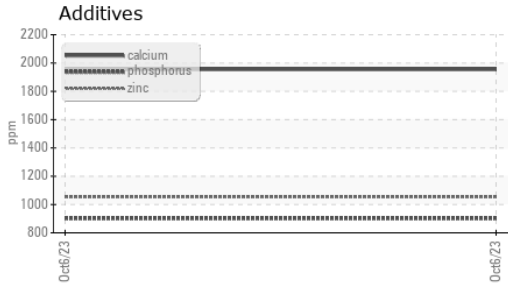
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>30	<b>4</b>	---
Sodium	ppm	ASTM D5185(m)		<b>4</b>	---
Potassium	ppm	ASTM D5185(m)	>20	<b>3</b>	---

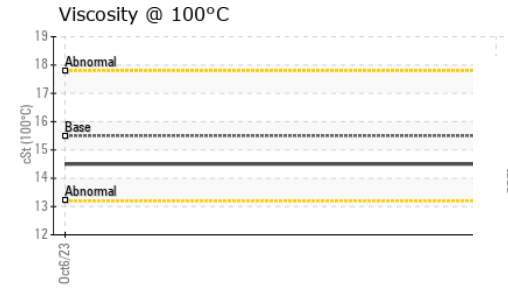
## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	<b>0</b>	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>4.8</b>	---
Sulfation	Abs./1mm	ASTM D7415*	>30	<b>16.4</b>	---

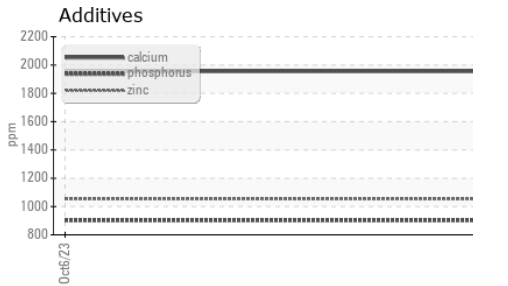
# OIL ANALYSIS REPORT



FLUID DEGRADATION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>9.9</b>	---
Base Number (BN)	mg KOH/g	ASTM D2896*	10	<b>8.02</b>	---

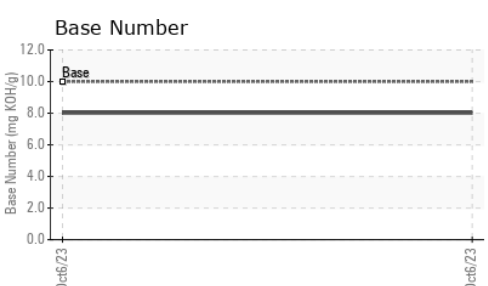
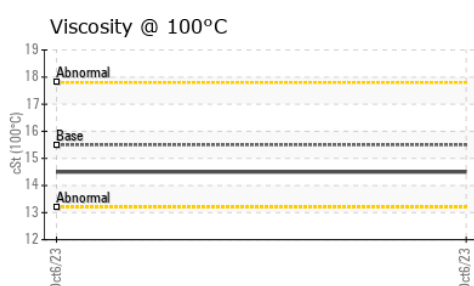
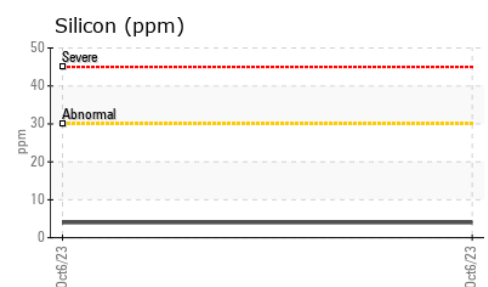
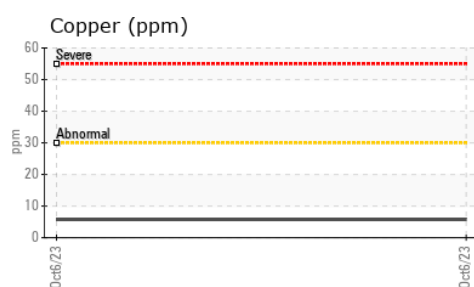
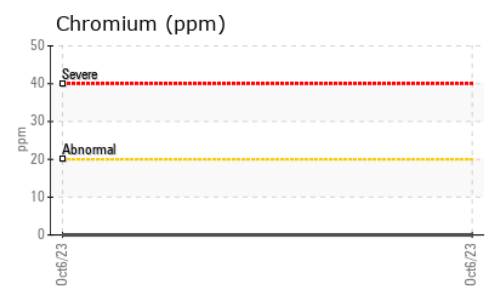
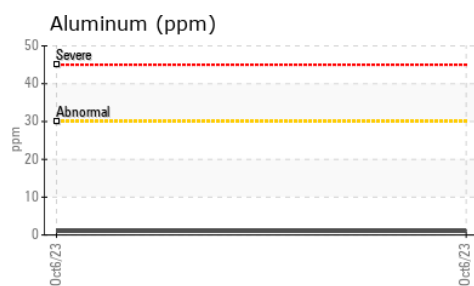
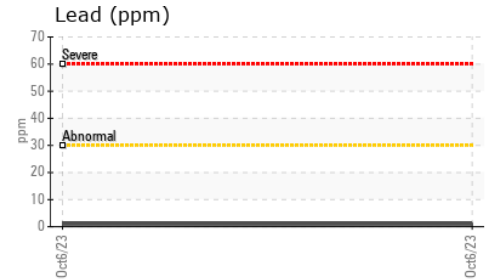
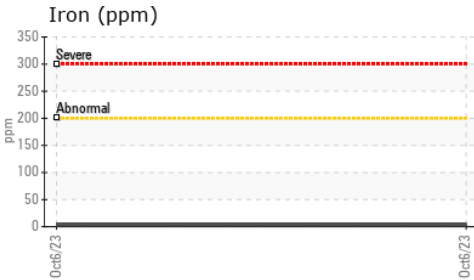


VISUAL	method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	---
Free Water	scalar	Visual*		<b>NEG</b>	---



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	15.5	<b>14.5</b>	---

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WA0019394  
**Lab Number** : 02588845  
**Unique Number** : 5657911  
**Test Package** : MOB 2

**Received** : 13 Oct 2023  
**Diagnosed** : 17 Oct 2023  
**Diagnostician** : Kevin Marson

**Wajax Power Systems**  
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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.