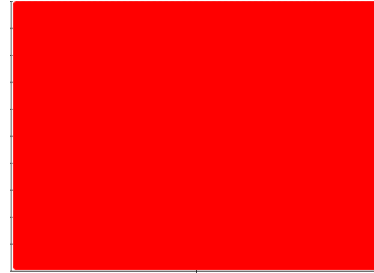


Area  
**KINGWAY [6100214028]**  
Machine Id  
**4729050568664**

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



## DIAGNOSIS

### Recommendation

Nous vous recommandons de vérifier la source de la fuite de fluide de refroidissement. Nous vous recommandons de surveiller la baisse de pression anormale et le bruit. Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait. Nous vous recommandons de rincer complètement le composant avant de le remplir l'huile. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

### Wear

Usure de palier.

### Contamination

Le test de glycol est positif. Concentration élevée de glycol dans l'huile.

### Fluid Condition

Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l'huile. l'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WA0020303</b>	---	---
Sample Date	Client Info		<b>12 Oct 2023</b>	---	---
Machine Age	hrs	Client Info	<b>725101</b>	---	---
Oil Age	hrs	Client Info	<b>0</b>	---	---
Oil Changed	Client Info		<b>Not Chngd</b>	---	---
Sample Status			<b>SEVERE</b>	---	---

## CONTAMINATION

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

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>200	<b>109</b>	---
Chromium	ppm	ASTM D5185(m)	>6	<b>2</b>	---
Nickel	ppm	ASTM D5185(m)	>3	<b>2</b>	---
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	---
Silver	ppm	ASTM D5185(m)	>2	<b>1</b>	---
Aluminum	ppm	ASTM D5185(m)	>50	<b>6</b>	---
Lead	ppm	ASTM D5185(m)	>10	<b>6</b>	---
Copper	ppm	ASTM D5185(m)	>50	<b>240</b>	---
Tin	ppm	ASTM D5185(m)	>6	<b>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)	250	<b>8</b>	---
Barium	ppm	ASTM D5185(m)	10	<b>&lt;1</b>	---
Molybdenum	ppm	ASTM D5185(m)	100	<b>16</b>	---
Manganese	ppm	ASTM D5185(m)		<b>4</b>	---
Magnesium	ppm	ASTM D5185(m)	450	<b>145</b>	---
Calcium	ppm	ASTM D5185(m)	3000	<b>1969</b>	---
Phosphorus	ppm	ASTM D5185(m)	1150	<b>798</b>	---
Zinc	ppm	ASTM D5185(m)	1350	<b>1063</b>	---
Sulfur	ppm	ASTM D5185(m)	4250	<b>2500</b>	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	---

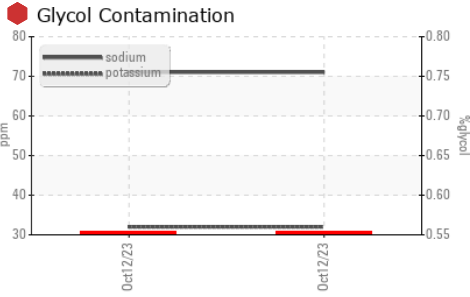
## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	<b>10</b>	---
Sodium	ppm	ASTM D5185(m)	>158	<b>71</b>	---
Potassium	ppm	ASTM D5185(m)	>20	<b>32</b>	---
Glycol	%	ASTM D7922*		<b>0.554</b>	---

## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	<b>0.5</b>	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>8.8</b>	---
Sulfation	Abs./1mm	ASTM D7415*	>30	<b>19.5</b>	---

# OIL ANALYSIS REPORT

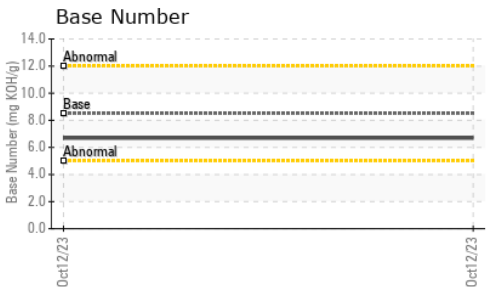
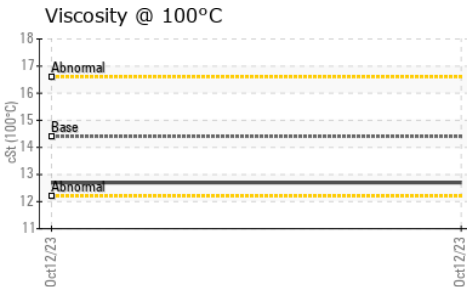
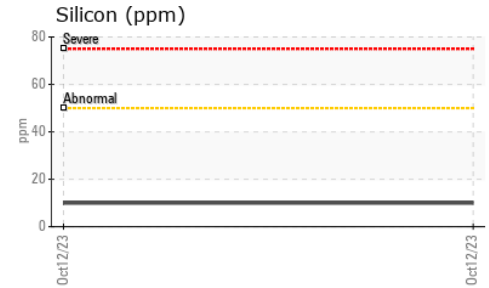
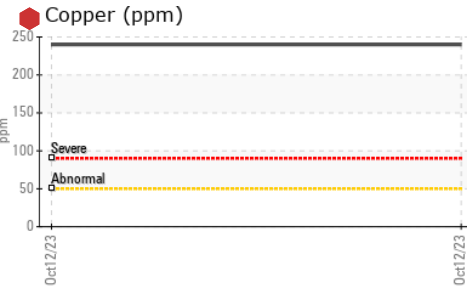
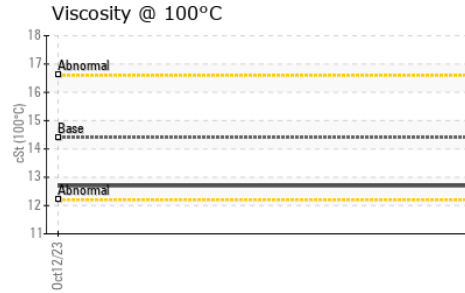
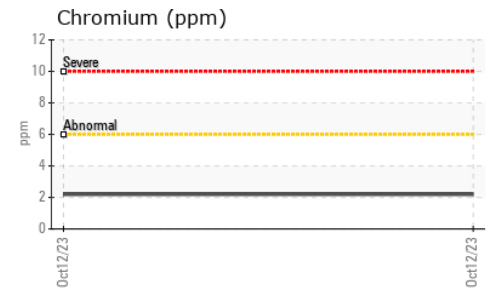
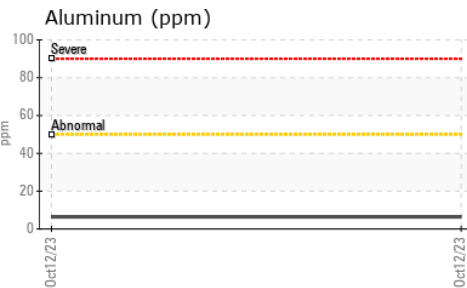
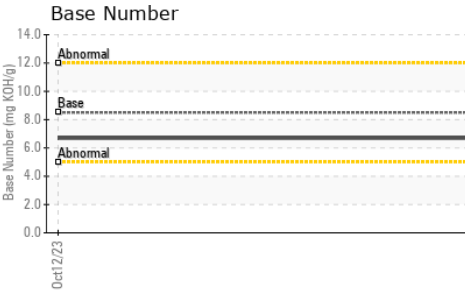
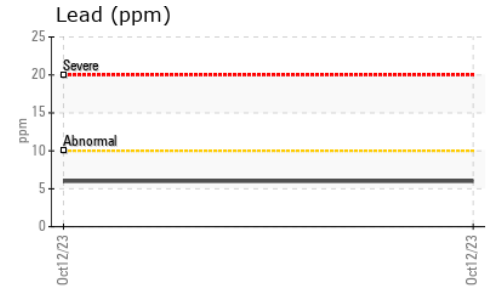
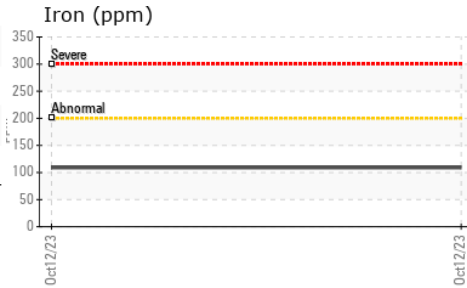
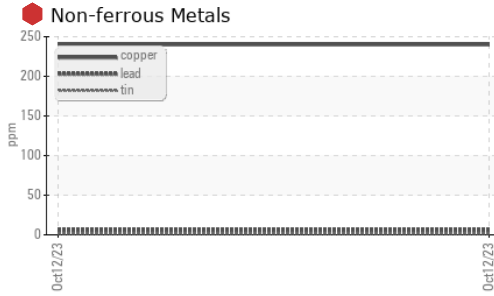


FLUID DEGRADATION	method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	12.5	---
Base Number (BN)	mg KOH/g	ASTM D2896*	8.5	6.69	---

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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	12.7	---

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WA0020303  
**Lab Number** : 02588844  
**Unique Number** : 5657910  
**Test Package** : MOB 2 ( Additional Tests: Glycol )

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

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.

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