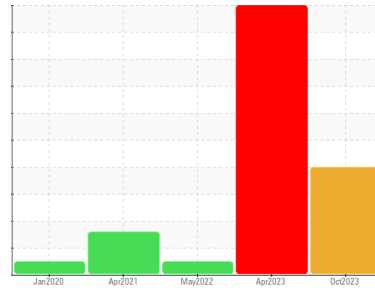




# OIL ANALYSIS REPORT

Sample Rating Trend



GLYCOL



Area  
**EDIFICE JOE HEBERT [213580]**  
 Machine Id  
**GD10569**  
 Component  
**Diesel Engine**  
 Fluid  
**APRIL SUPERFLO GOLD K 15W40 (--- GAL)**

## DIAGNOSIS

### Recommendation

Nous vous recommandons de vérifier la source de la fuite de fluide de refroidissement. Nous vous recommandons de vérifier le filtre à air, le système d'induction d'air et tout endroit où la saleté peut entrer dans le composant. 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 recommandons le remplacement des filtres de ce composant. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

### Wear

Les taux d'usure de tous les composants sont normaux.

### Contamination

Le test de glycol est positif. Il y a une légère concentration de glycol dans l'huile. Concentration modérée de saleté dans l'huile.

### Fluid Condition

l'huile ne peut plus être utilisée en raison de la présence de contaminants.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>GD0020481</b>	GD0005666	GD0005387
Sample Date	Client Info	<b>17 Oct 2023</b>	25 Apr 2023	10 May 2022
Machine Age	hrs	<b>0</b>	361	333
Oil Age	hrs	<b>0</b>	0	0
Oil Changed	Client Info	<b>N/A</b>	Changed	N/A
Sample Status		<b>ABNORMAL</b>	SEVERE	NORMAL

## CONTAMINATION

method	limit/base	current	history1	history2
Fuel	WC Method >5	<b>&lt;1.0</b>	<1.0	<1.0

## WEAR METALS

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

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m) 34	<b>39</b>	16	1
Barium	ppm ASTM D5185(m) 0	<b>0</b>	0	0
Molybdenum	ppm ASTM D5185(m) 70	<b>51</b>	60	59
Manganese	ppm ASTM D5185(m)	<b>0</b>	<1	<1
Magnesium	ppm ASTM D5185(m) 640	<b>794</b>	915	1028
Calcium	ppm ASTM D5185(m) 1410	<b>1348</b>	1076	1042
Phosphorus	ppm ASTM D5185(m) 1020	<b>1060</b>	1048	1090
Zinc	ppm ASTM D5185(m) 1170	<b>1222</b>	1213	1232
Sulfur	ppm ASTM D5185(m) 2930	<b>2830</b>	2654	2754
Lithium	ppm ASTM D5185(m)	<b>&lt;1</b>	<1	0

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >25	<b>▲ 28</b>	5	3
Sodium	ppm ASTM D5185(m)	<b>3</b>	▲ 53	<1
Potassium	ppm ASTM D5185(m) >20	<b>1</b>	▲ 23	0
Glycol	% ASTM D7922*	<b>▲ 0.015</b>	◆ 0.503	NEG

## INFRA-RED

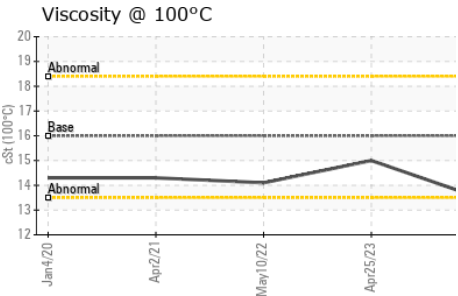
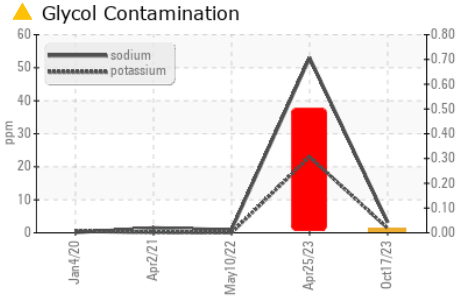
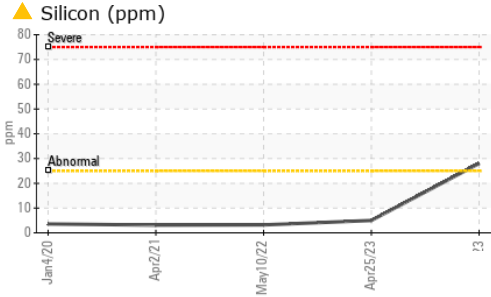
method	limit/base	current	history1	history2
Soot %	% ASTM D7844* >3	<b>0</b>	0	0
Nitration	Abs/cm ASTM D7624* >20	<b>4.8</b>	5.1	4.9
Sulfation	Abs/.1mm ASTM D7415* >30	<b>18.2</b>	16.0	19.6

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Oxidation	Abs/.1mm ASTM D7414* >25	<b>13.5</b>	14.5	13.5



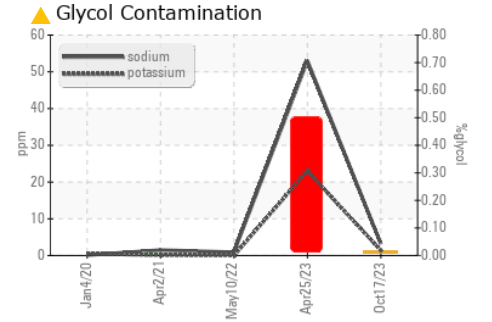
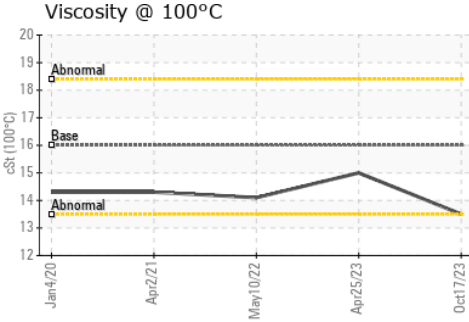
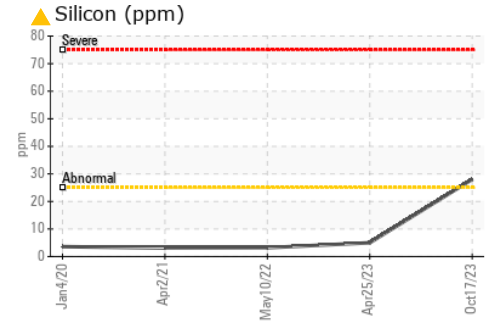
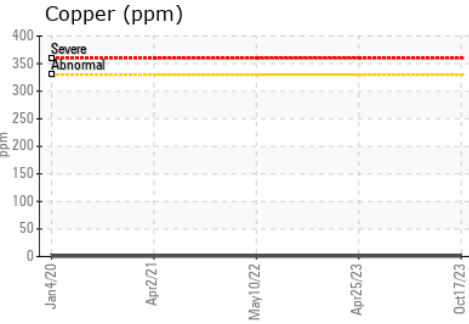
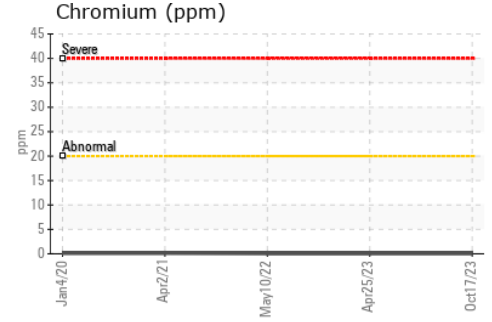
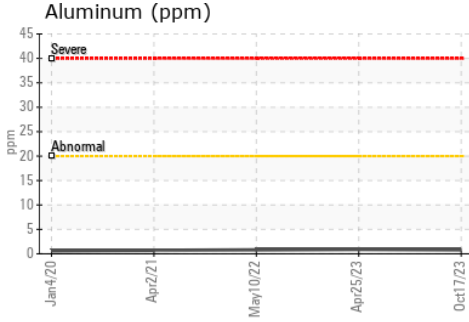
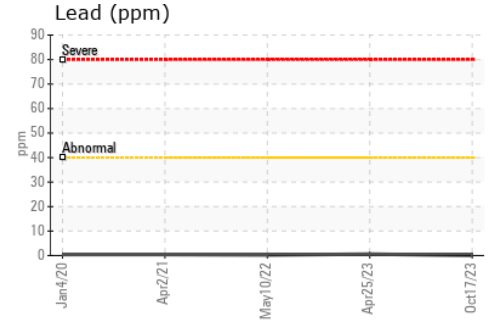
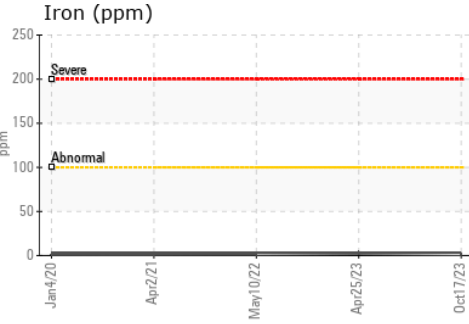
# OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG
Free Water	scalar	Visual*		▲ 1%	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	16.0	13.5	15.0

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GD0020481  
**Lab Number** : 02591311  
**Unique Number** : 5668390  
**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.