



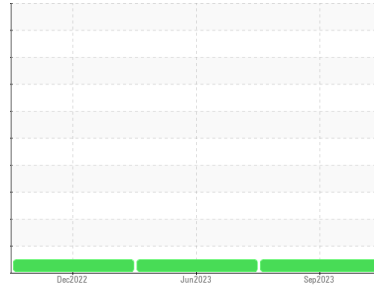
# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**811031**  
 Component  
**2 Differential**  
 Fluid  
**GEAR OIL SAE 75W90 (--- GAL)**



## DIAGNOSIS

### Recommendation

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

### Wear

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

### Contamination

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

### Fluid Condition

L'état de l'huile est acceptable pour la durée de service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>GFL0089694</b>	GFL0078342	GFL0068214
Sample Date	Client Info		<b>13 Sep 2023</b>	05 Jun 2023	08 Dec 2022
Machine Age	hrs	Client Info	<b>5297</b>	4669	3563
Oil Age	hrs	Client Info	<b>4669</b>	4669	3563
Oil Changed		Client Info	<b>N/A</b>	N/A	N/A
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >500	<b>399</b>	391	371
Chromium	ppm	ASTM D5185(m) >10	<b>3</b>	3	3
Nickel	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	0	<1
Titanium	ppm	ASTM D5185(m)	<b>1</b>	1	1
Silver	ppm	ASTM D5185(m)	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m) >25	<b>19</b>	19	17
Lead	ppm	ASTM D5185(m) >25	<b>&lt;1</b>	<1	0
Copper	ppm	ASTM D5185(m) >100	<b>2</b>	2	2
Tin	ppm	ASTM D5185(m) >10	<b>0</b>	<1	<1
Antimony	ppm	ASTM D5185(m) >5	<b>0</b>	<1	<1
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) 400	<b>208</b>	230	233
Barium	ppm	ASTM D5185(m) 200	<b>27</b>	24	25
Molybdenum	ppm	ASTM D5185(m) 12	<b>&lt;1</b>	0	0
Manganese	ppm	ASTM D5185(m)	<b>17</b>	17	17
Magnesium	ppm	ASTM D5185(m) 12	<b>8</b>	6	6
Calcium	ppm	ASTM D5185(m) 150	<b>19</b>	16	15
Phosphorus	ppm	ASTM D5185(m) 1650	<b>1405</b>	1512	1483
Zinc	ppm	ASTM D5185(m) 125	<b>25</b>	22	20
Sulfur	ppm	ASTM D5185(m) 22500	<b>22847</b>	24438	23849
Lithium	ppm	ASTM D5185(m)	<b>2</b>	2	2

## CONTAMINANTS

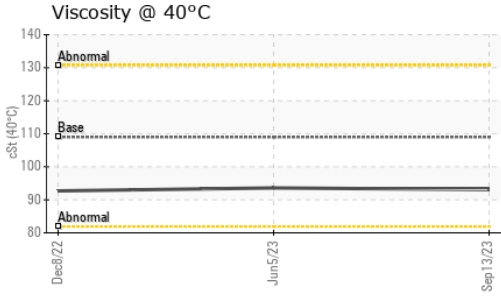
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >75	<b>95</b>	98	91
Sodium	ppm	ASTM D5185(m)	<b>13</b>	13	13
Potassium	ppm	ASTM D5185(m) >20	<b>6</b>	6	6

## VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	Visual* NONE	<b>VLITE</b>	NONE	NONE
Yellow Metal	scalar	Visual* NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	Visual* NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	Visual* NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual* NONE	<b>VLITE</b>	NONE	NONE
Sand/Dirt	scalar	Visual* NONE	<b>NONE</b>	NONE	VLITE
Appearance	scalar	Visual* NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual* NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual* >.2	<b>NEG</b>	NEG	NEG
Free Water	scalar	Visual*	<b>NEG</b>	NEG	NEG

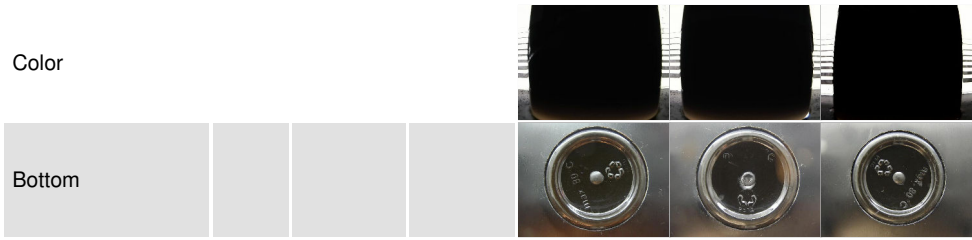


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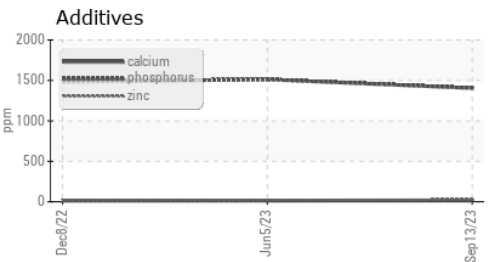
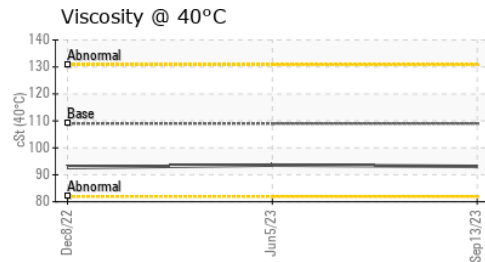
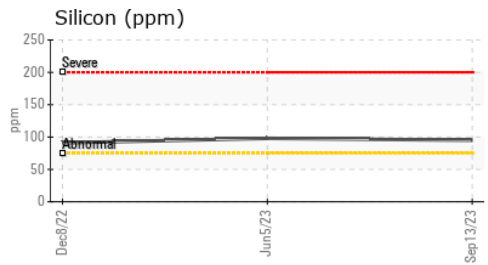
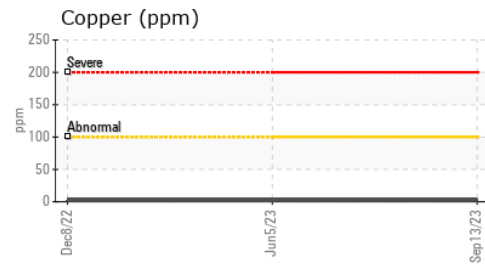
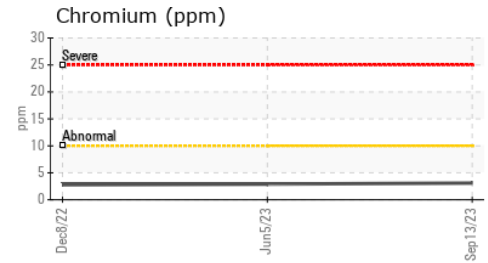
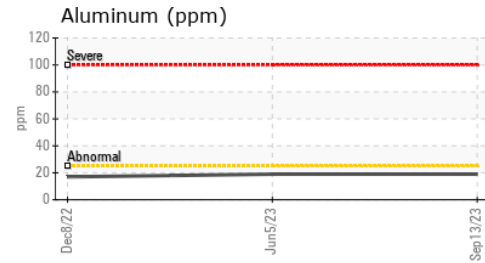
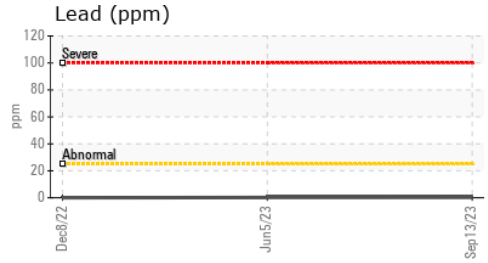
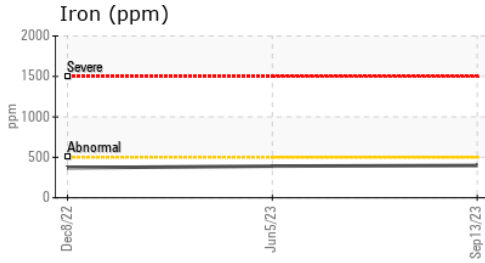


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	109	<b>93.1</b>	93.6	92.7

SAMPLE IMAGES		method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 732 - Beauce - Hauling - Solid Waste  
**Sample No.** : GFL0089694 **Received** : 15 Sep 2023  
**Lab Number** : 02582951 **Diagnosed** : 15 Sep 2023  
**Unique Number** : 5644016 **Diagnostician** : Kevin Marson  
**Test Package** : MOB 1

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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