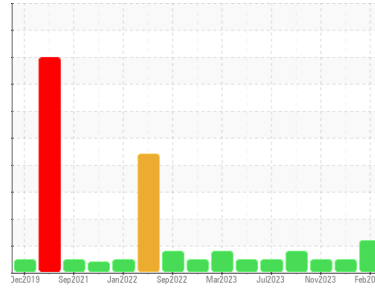




# OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id  
**OR489**  
Component  
**Hydraulic System**  
Fluid  
**APRIL SUPERFLO RXL1 RED AW HYDRAULIC OIL AW 32 (--- GAL)**

## DIAGNOSIS

### Recommendation

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

Il y a une quantité modérée de particules (de 4 à 14 microns) dans l'huile.

### Fluid Condition

l'huile peut encore servir si la contamination peut être réduite à un niveau acceptable.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>GFL0089189</b>	GFL0089230	GFL0061611
Sample Date	Client Info		<b>01 Feb 2024</b>	22 Dec 2023	11 Nov 2023
Machine Age	hrs	Client Info	<b>11932</b>	11809	11613
Oil Age	hrs	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>Not Chngd</b>	Not Chngd	N/A
Sample Status			<b>ABNORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.075	<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>71	<b>9</b>	9	8
Chromium	ppm	ASTM D5185(m)	>11	<b>6</b>	5	4
Nickel	ppm	ASTM D5185(m)	>6	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185(m)	>11	<b>2</b>	<1	<1
Lead	ppm	ASTM D5185(m)	>13	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	>21	<b>&lt;1</b>	<1	1
Tin	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
Antimony	ppm	ASTM D5185(m)		<b>0</b>	0	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)		<b>1</b>	1	1
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)		<b>18</b>	18	19
Calcium	ppm	ASTM D5185(m)		<b>171</b>	153	154
Phosphorus	ppm	ASTM D5185(m)		<b>374</b>	372	361
Zinc	ppm	ASTM D5185(m)		<b>452</b>	458	450
Sulfur	ppm	ASTM D5185(m)		<b>1036</b>	941	881
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1

## CONTAMINANTS

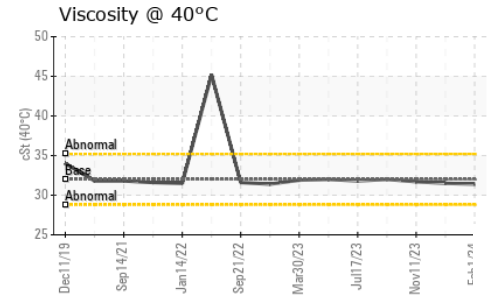
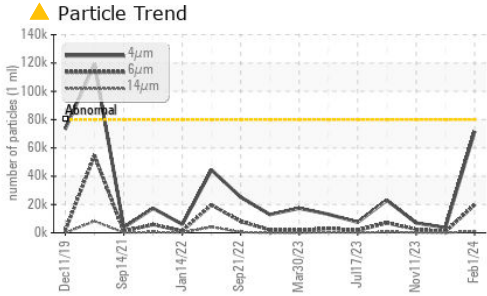
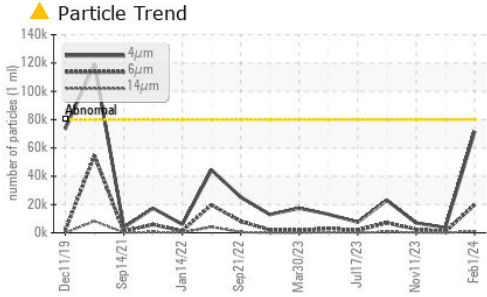
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>24	<b>10</b>	1	0
Sodium	ppm	ASTM D5185(m)	>21	<b>1</b>	1	0
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	11	0

## FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>80000	<b>71510</b>	3697	6968
Particles >6µm	ASTM D7647	>5000	<b>▲ 19795</b>	834	2422
Particles >14µm	ASTM D7647	>640	<b>▲ 869</b>	95	256
Particles >21µm	ASTM D7647	>160	<b>143</b>	37	62
Particles >38µm	ASTM D7647	>40	<b>7</b>	4	5
Particles >71µm	ASTM D7647	>10	<b>1</b>	1	0
Oil Cleanliness	ISO 4406 (c)	>23/19/16	<b>▲ 23/21/17</b>	19/17/14	20/18/15



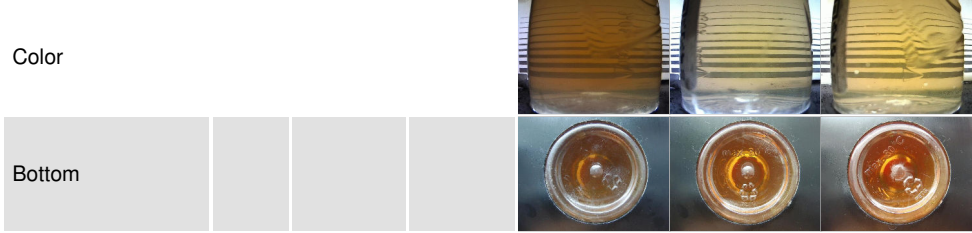
# OIL ANALYSIS REPORT



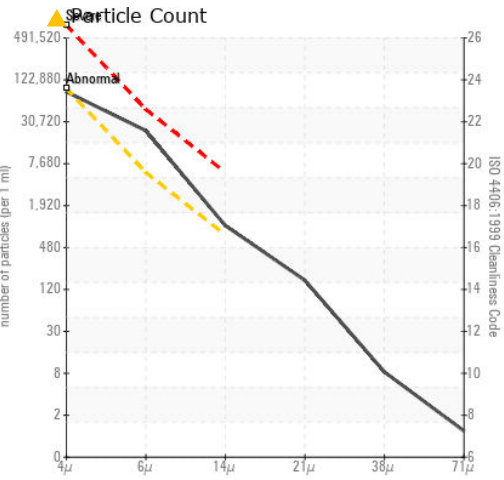
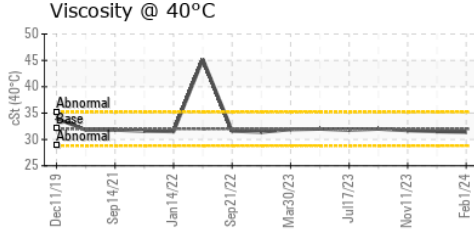
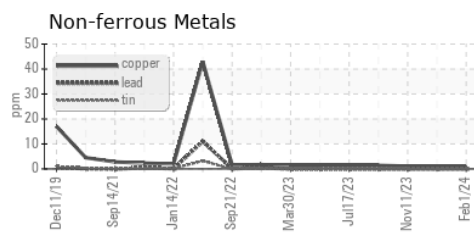
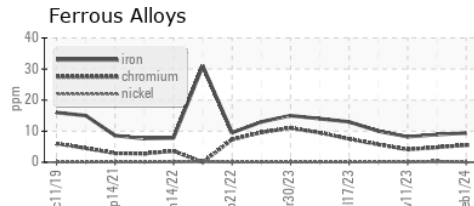
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.075	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	32	31.5	31.7

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



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0089189  
**Lab Number** : 02614073  
**Unique Number** : 5723168  
**Test Package** : MOB 1 ( Additional Tests: PrtCount )

**GFL Environmental - 784 - Saint-Hyacinthe**  
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 Saint-Hyacinthe, QC  
 CA J2R 2B2  
 Contact: Nadine Authier  
 nauthier@matrec.ca  
 T: (450)773-9689  
 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.