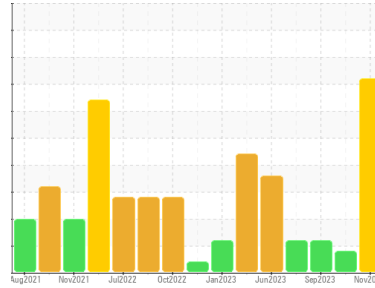




# OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id  
**OR483**  
Component  
**Hydraulic System**  
Fluid  
**APRIL TDH PLUS 32 (--- GAL)**

## DIAGNOSIS

### Recommendation

Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation. Le fluide était spécifié comme APRIL TDH PLUS 32, toutefois, une comparaison avec d'autres fluides indiquent que ce fluide est du SAE 75W80 Tractor TDH Fluid. Veuillez confirmer la viscosité de l'huile et veuillez préciser la marque de votre prochain échantillon.

### Wear

Usure de palier et (ou) de douille.

### Contamination

La propreté du système est acceptable pour votre objectif de propreté ISO 4406. La propreté du système et du fluide est acceptable.

### Fluid Condition

La viscosité de l'huile est plus élevée que la normale. 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>GFL0089234</b>	GFL0089217	GFL0061619
Sample Date	Client Info		<b>21 Nov 2023</b>	11 Nov 2023	27 Sep 2023
Machine Age	hrs	Client Info	<b>11824</b>	11770	11453
Oil Age	hrs	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>Not Changed</b>	Changed	N/A
Sample Status			<b>SEVERE</b>	ABNORMAL	ABNORMAL

## 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>19</b>	11	12
Chromium	ppm	ASTM D5185(m)	>11	<b>0</b>	▲ 14	▲ 16
Nickel	ppm	ASTM D5185(m)	>6	<b>&lt;1</b>	<1	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	3
Aluminum	ppm	ASTM D5185(m)	>11	<b>&lt;1</b>	1	1
Lead	ppm	ASTM D5185(m)	>13	<b>67</b>	0	<1
Copper	ppm	ASTM D5185(m)	>21	▲ <b>23</b>	2	2
Tin	ppm	ASTM D5185(m)	>5	<b>&lt;1</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

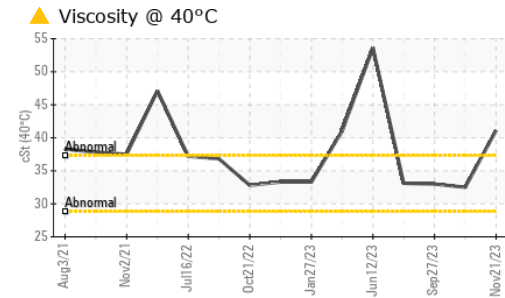
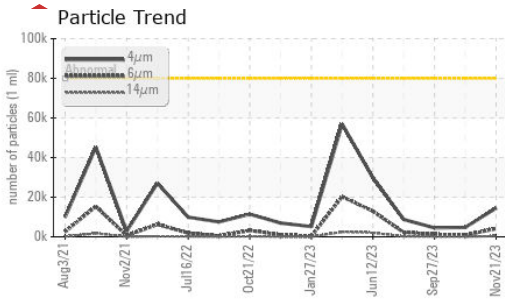
	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)		<b>2</b>	<1	<1
Barium	ppm	ASTM D5185(m)		<b>1</b>	<1	<1
Molybdenum	ppm	ASTM D5185(m)		<b>1</b>	<1	1
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)		<b>19</b>	25	32
Calcium	ppm	ASTM D5185(m)		<b>3211</b>	109	124
Phosphorus	ppm	ASTM D5185(m)		<b>1240</b>	381	400
Zinc	ppm	ASTM D5185(m)		<b>1313</b>	433	450
Sulfur	ppm	ASTM D5185(m)		<b>3644</b>	925	956
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>4</b>	0	2
Sodium	ppm	ASTM D5185(m)	>21	<b>2</b>	0	2
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	<1

## FLUID CLEANLINESS

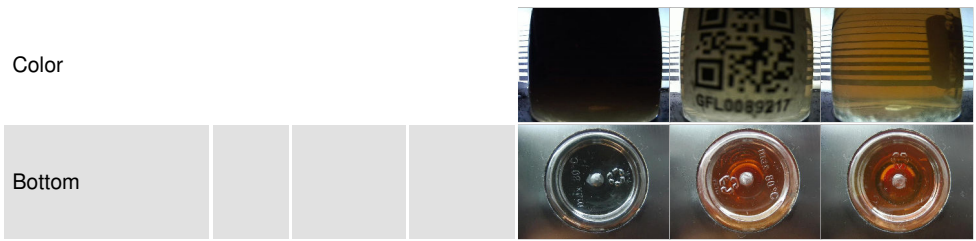
	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>80000	<b>14505</b>	4755	4484
Particles >6µm	ASTM D7647	>5000	<b>4180</b>	810	1271
Particles >14µm	ASTM D7647	>640	<b>353</b>	77	105
Particles >21µm	ASTM D7647	>160	<b>99</b>	21	30
Particles >38µm	ASTM D7647	>40	<b>8</b>	1	5
Particles >71µm	ASTM D7647	>10	<b>1</b>	0	1
Oil Cleanliness	ISO 4406 (c)	>23/19/16	<b>21/19/16</b>	19/17/13	19/17/14



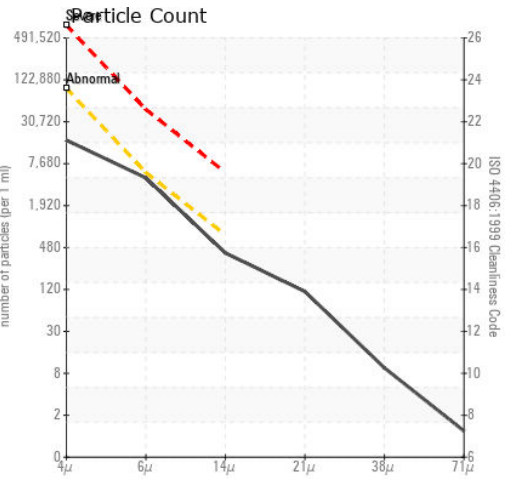
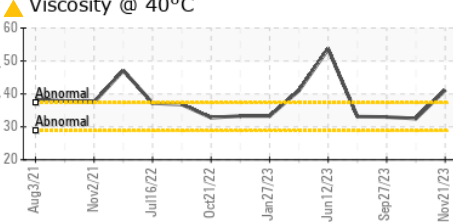
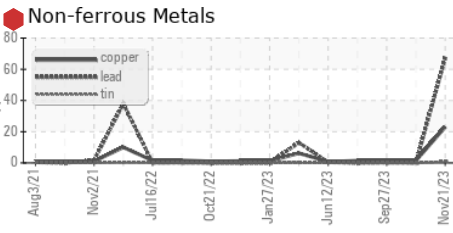
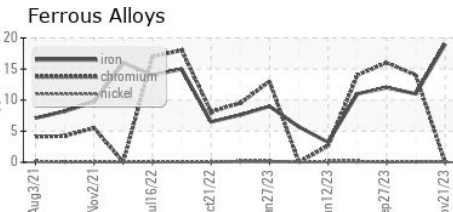
PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	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)	▲ 41.1	32.5	▲ 33.0

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 - 784 - Saint-Hyacinthe  
**Sample No.** : GFL0089234 **Received** : 05 Dec 2023 3525 Boul. Laurier Est.,  
**Lab Number** : 02600981 **Diagnosed** : 06 Dec 2023 Saint-Hyacinthe, QC  
**Unique Number** : 5694066 **Diagnostician** : Kevin Marson CA J2R 2B2  
**Test Package** : MOB 1 ( Additional Tests: PrtCount )  
 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.