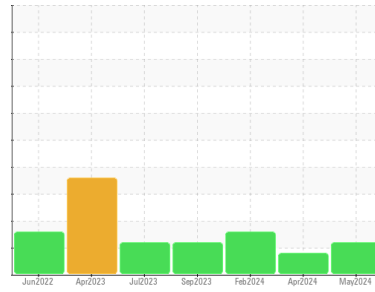




OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
WL0056
 Component
Hydraulic System
 Fluid
SAE 10W (--- GAL)

DIAGNOSIS

Recommendation

Nous recommandons le remplacement des filtres de ce composant. Confirmez la source du lubrifiant utilisé pour l'appoint/remplissage. 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

Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. 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		GFL0118362	GFL0118327	GFL0067516
Sample Date	Client Info		10 May 2024	11 Apr 2024	27 Feb 2024
Machine Age	kms	Client Info	19368	19189	0
Oil Age	kms	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			ABNORMAL	ATTENTION	ABNORMAL

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>71	9	6	6
Chromium	ppm	ASTM D5185(m)	>11	1	<1	1
Nickel	ppm	ASTM D5185(m)	>6	0	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>11	1	<1	2
Lead	ppm	ASTM D5185(m)	>13	0	0	<1
Copper	ppm	ASTM D5185(m)	>21	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>5	0	0	0
Antimony	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)		2	2	3
Barium	ppm	ASTM D5185(m)		0	0	0
Molybdenum	ppm	ASTM D5185(m)		9	10	13
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)		160	169	208
Calcium	ppm	ASTM D5185(m)		287	292	360
Phosphorus	ppm	ASTM D5185(m)		473	479	513
Zinc	ppm	ASTM D5185(m)		571	589	611
Sulfur	ppm	ASTM D5185(m)		1117	1152	1297
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

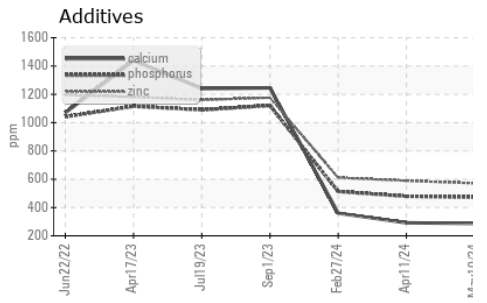
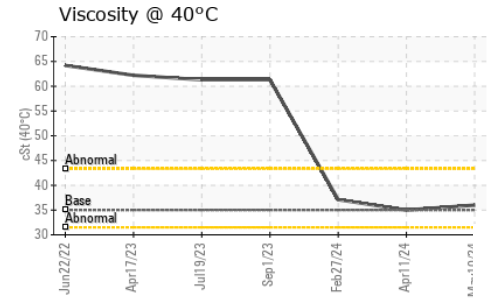
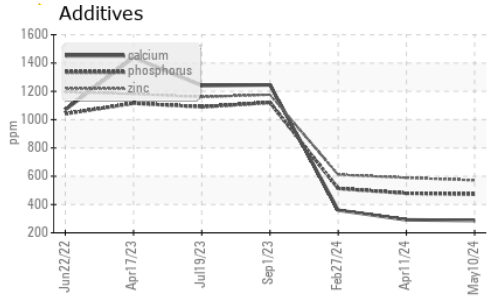
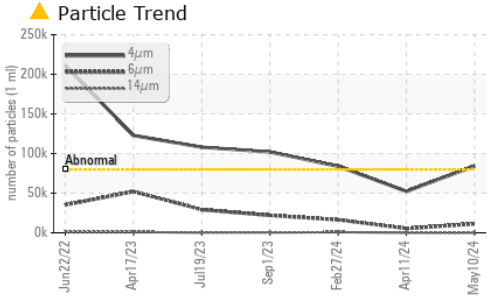
CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>24	4	2	4
Sodium	ppm	ASTM D5185(m)	>21	1	<1	<1
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	<1

FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>80000	84341	52367	83953
Particles >6µm	ASTM D7647	>5000	11385	5416	16413
Particles >14µm	ASTM D7647	>640	65	70	840
Particles >21µm	ASTM D7647	>160	14	17	174
Particles >38µm	ASTM D7647	>40	2	1	7
Particles >71µm	ASTM D7647	>10	1	1	1
Oil Cleanliness	ISO 4406 (c)	>23/19/16	24/21/13	23/20/13	24/21/17

OIL ANALYSIS REPORT

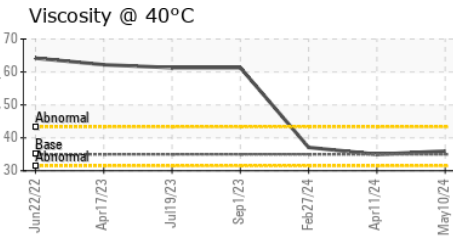
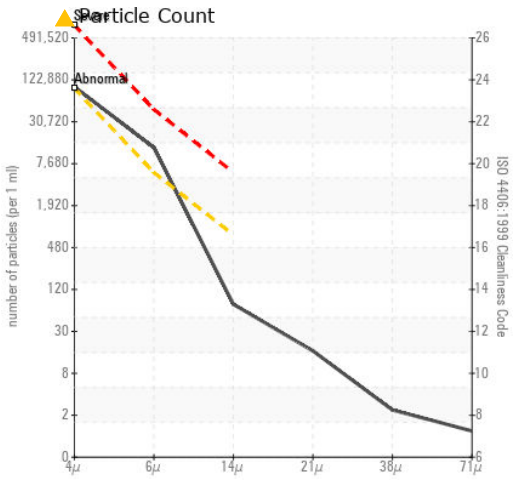
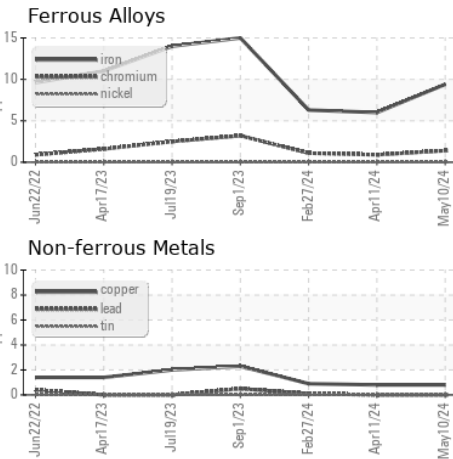


PARAMETER	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	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)	35.0	36.0	35.0

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					
Bottom					

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 743 - Montreal Est CD Processing
Sample No. : GFL0118362 **Received** : 15 May 2024 10930 rue Sherbrooke
Lab Number : 02635721 **Tested** : 16 May 2024 Montreal, QC
Unique Number : 5776874 **Diagnosed** : 17 May 2024 - Kevin Marson CA H1B 1B4
Test Package : MOB 1 (Additional Tests: PrtCount) Contact: Patrick Beaulieu
 To discuss this sample report, contact Customer Service at 1-800-268-2131. patrick.beaulieu@gflenv.com

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.