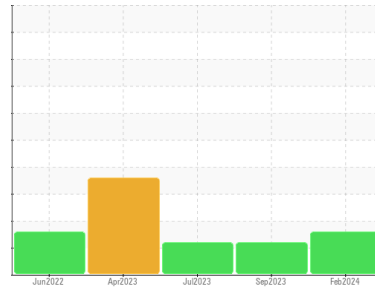




OIL ANALYSIS REPORT

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. Veuillez préciser la marque, le type et la viscosité de l'huile lors de votre prochain échantillon.

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	GFL0067516	GFL0067495	GFL0071883
Sample Date	Client Info	27 Feb 2024	01 Sep 2023	19 Jul 2023
Machine Age	kms	Client Info	17700	17361
Oil Age	kms	Client Info	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		ABNORMAL	ABNORMAL	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	6	15	14
Chromium	ppm ASTM D5185(m) >11	1	3	2
Nickel	ppm ASTM D5185(m) >6	0	0	0
Titanium	ppm ASTM D5185(m)	0	<1	<1
Silver	ppm ASTM D5185(m)	0	0	0
Aluminum	ppm ASTM D5185(m) >11	2	4	4
Lead	ppm ASTM D5185(m) >13	<1	<1	0
Copper	ppm ASTM D5185(m) >21	<1	2	2
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)	3	11	10
Barium	ppm ASTM D5185(m)	0	0	0
Molybdenum	ppm ASTM D5185(m)	13	53	51
Manganese	ppm ASTM D5185(m)	0	<1	<1
Magnesium	ppm ASTM D5185(m)	208	859	846
Calcium	ppm ASTM D5185(m)	360	1245	1240
Phosphorus	ppm ASTM D5185(m)	513	1121	1090
Zinc	ppm ASTM D5185(m)	611	1176	1160
Sulfur	ppm ASTM D5185(m)	1297	2694	2637
Lithium	ppm ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

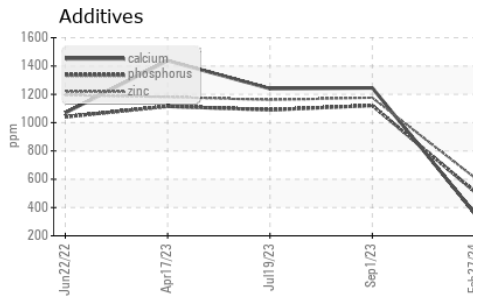
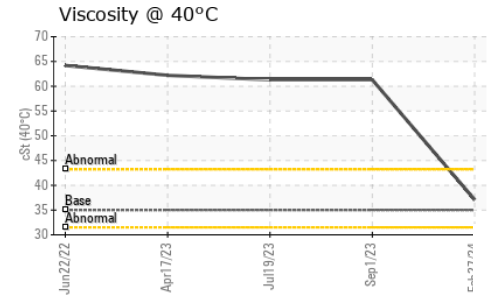
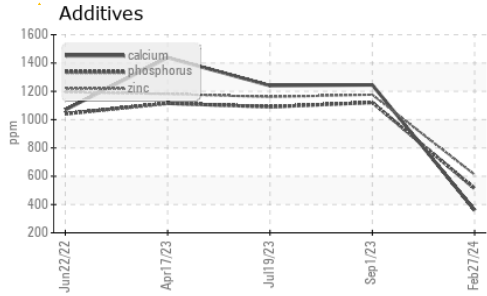
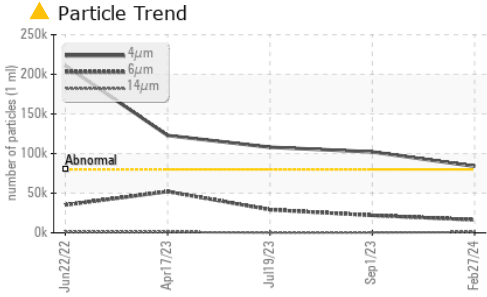
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >24	4	13	12
Sodium	ppm ASTM D5185(m) >21	<1	3	3
Potassium	ppm ASTM D5185(m) >20	<1	1	1

FLUID CLEANLINESS

method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >80000	83953	102080	108002
Particles >6µm	ASTM D7647 >5000	16413	22003	29183
Particles >14µm	ASTM D7647 >640	840	412	242
Particles >21µm	ASTM D7647 >160	174	112	60
Particles >38µm	ASTM D7647 >40	7	6	2
Particles >71µm	ASTM D7647 >10	1	4	0
Oil Cleanliness	ISO 4406 (c) >23/19/16	24/21/17	24/22/16	24/22/15



OIL ANALYSIS REPORT



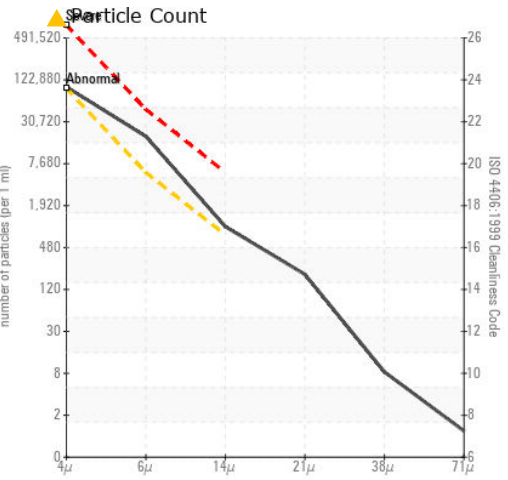
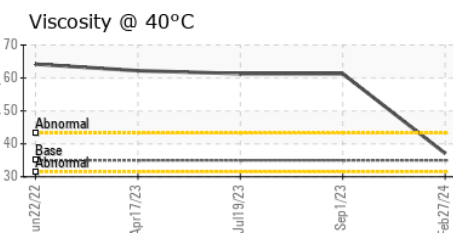
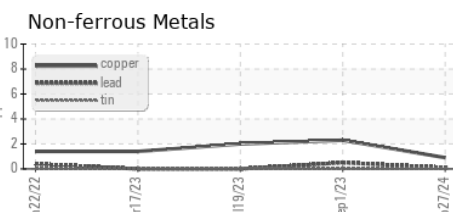
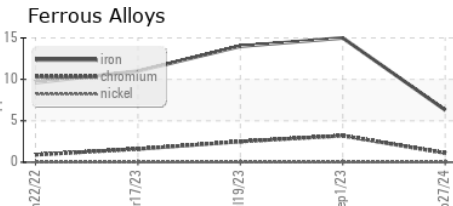
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE
Precipitate	scalar	Visual*	NONE	NONE	NONE
Silt	scalar	Visual*	NONE	VLITE	NONE
Debris	scalar	Visual*	NONE	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.075	NEG	.2%
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	35.0	37.1	61.3

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 - 743 - Montreal Est CD Processing
Sample No. : GFL0067516 **Received** : 28 Feb 2024 10930 rue Sherbrooke
Lab Number : 02618715 **Tested** : 29 Feb 2024 Montreal, QC
Unique Number : 5735825 **Diagnosed** : 29 Feb 2024 - Kevin Marson CA H1B 1B4
Test Package : MOB 1 (Additional Tests: PrtCount)

Contact: Patrick Beaulieu
patrick.beaulieu@gflenv.com

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.