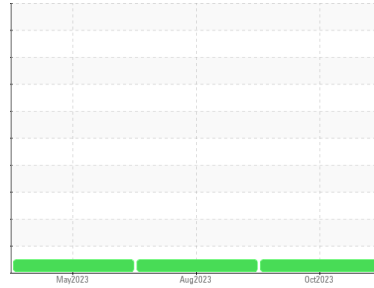




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id
713068

Component
Diesel Engine

Fluid
DIESEL ENGINE OIL SAE 15W40 (--- GAL)

DIAGNOSIS

Recommendation

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

L'échantillon reçu était insuffisant pour effectuer tous les tests de laboratoire habituels. Il n'y a aucune indication de contamination dans le composant (non confirmée).

Fluid Condition

L'état de l'huile est acceptable pour la durée de service (non confirmée).

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		GFL0088864	GFL0088840	GFL0073414
Sample Date	Client Info		27 Oct 2023	11 Aug 2023	16 May 2023
Machine Age	hrs	Client Info	0	31246	18422
Oil Age	hrs	Client Info	600	0	0
Oil Changed	Client Info		Changed	N/A	Changed
Sample Status			NORMAL	NORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<1.0	<1.0	<1.0
Glycol	WC Method		NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >100	26	38	67
Chromium	ppm	ASTM D5185(m) >20	2	3	3
Nickel	ppm	ASTM D5185(m) >4	<1	<1	1
Titanium	ppm	ASTM D5185(m)	0	0	<1
Silver	ppm	ASTM D5185(m) >3	<1	<1	<1
Aluminum	ppm	ASTM D5185(m) >20	19	29	19
Lead	ppm	ASTM D5185(m) >40	7	7	2
Copper	ppm	ASTM D5185(m) >330	312	278	100
Tin	ppm	ASTM D5185(m) >15	<1	1	3
Antimony	ppm	ASTM D5185(m)	0	0	<1
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) 250	2	5	26
Barium	ppm	ASTM D5185(m) 10	<1	0	<1
Molybdenum	ppm	ASTM D5185(m) 100	57	58	44
Manganese	ppm	ASTM D5185(m)	<1	1	4
Magnesium	ppm	ASTM D5185(m) 450	928	931	568
Calcium	ppm	ASTM D5185(m) 3000	1125	1188	1731
Phosphorus	ppm	ASTM D5185(m) 1150	954	985	780
Zinc	ppm	ASTM D5185(m) 1350	1173	1146	895
Sulfur	ppm	ASTM D5185(m) 4250	2238	1983	1818
Lithium	ppm	ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

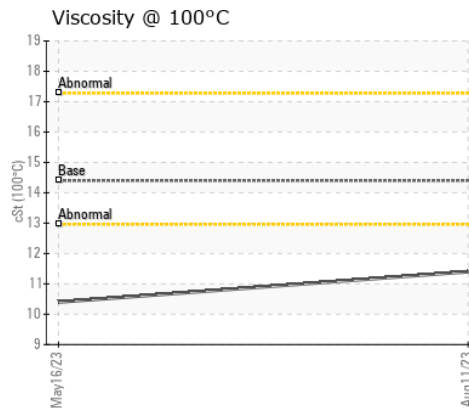
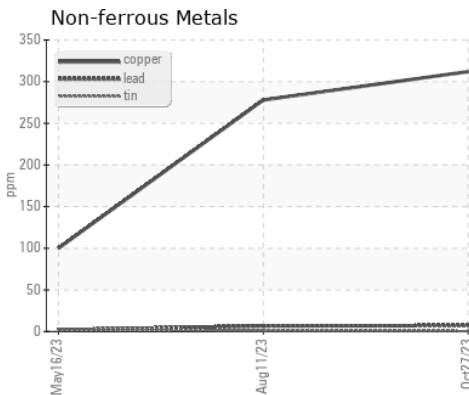
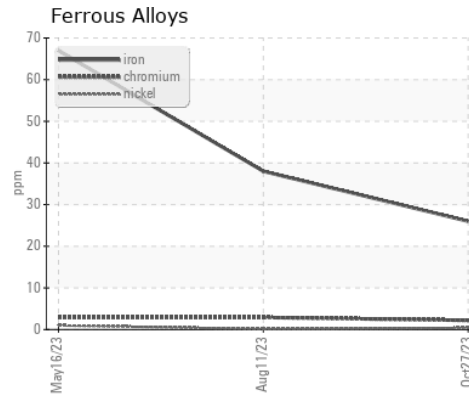
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	11	6	8
Sodium	ppm	ASTM D5185(m) >158	3	2	5
Potassium	ppm	ASTM D5185(m) >20	55	93	55



OIL ANALYSIS REPORT

VISUAL	method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---
Precipitate	scalar	Visual*	NONE	NONE	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	NORML	NORML

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 780 - GMA - ICI - Solid Waste
Sample No. : GFL0088864 **Received** : 03 Nov 2023 4365 boul. St-Elzear Ouest, Laval, QC
Lab Number : **02594014** **Diagnosed** : 03 Nov 2023 CA H7P 4J3
Unique Number : 5671093 **Diagnostician** : Kevin Marson
Test Package : TEST (Additional Tests: ICP)

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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