



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
732020
Component
Diesel Engine
Fluid
CHEVRON DELO 400 LE 15W40 (--- GAL)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill.
Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0097123	GFL0087621	GFL0055355
Sample Date		Client Info		28 Dec 2023	21 Aug 2023	04 Oct 2022
Machine Age	kms	Client Info		57696	43150	1244
Oil Age	kms	Client Info		0	600	0
Filter Age	kms	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

Les taux de métaux sont typiques pour la période de rodage d'un nouveau composant.

Iron	ppm	ASTM D5185(m)	>80	6	15	51
Chromium	ppm	ASTM D5185(m)	>5	<1	2	4
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	0
Titanium	ppm	ASTM D5185(m)		0	<1	<1
Silver	ppm	ASTM D5185(m)	>3	0	0	0
Aluminum	ppm	ASTM D5185(m)	>30	2	2	6
Lead	ppm	ASTM D5185(m)	>30	2	7	4
Copper	ppm	ASTM D5185(m)	>150	2	4	12
Tin	ppm	ASTM D5185(m)	>5	<1	<1	2
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

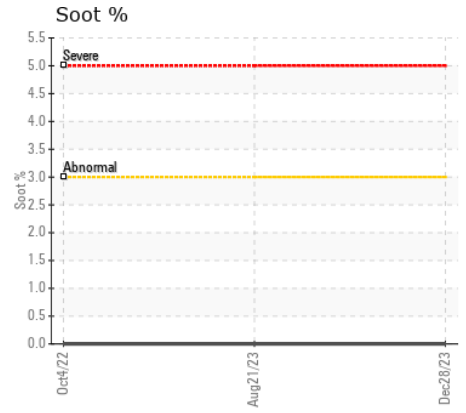
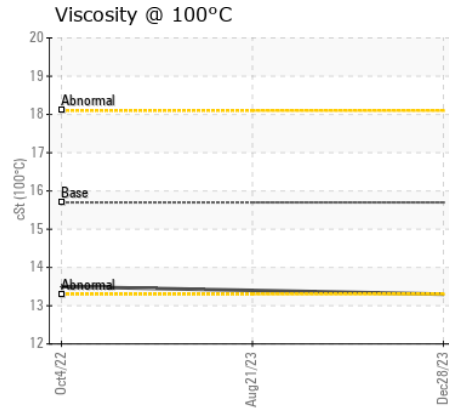
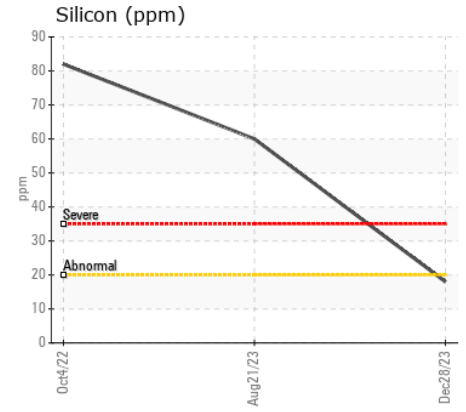
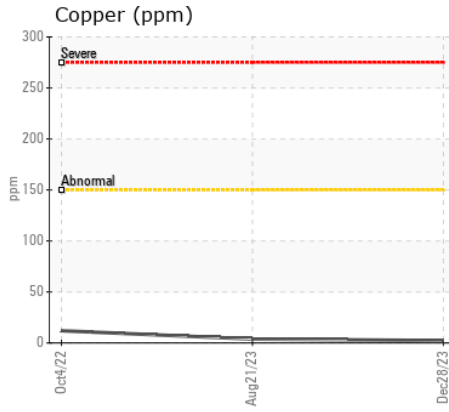
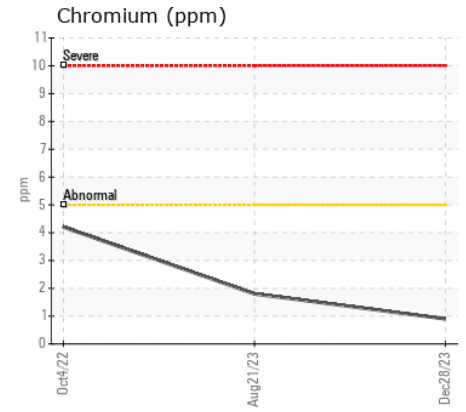
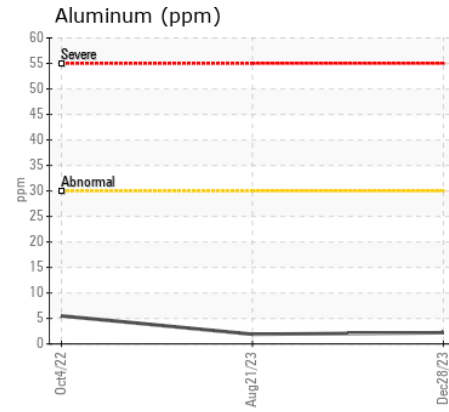
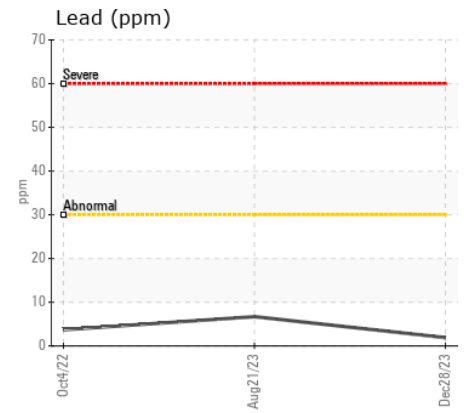
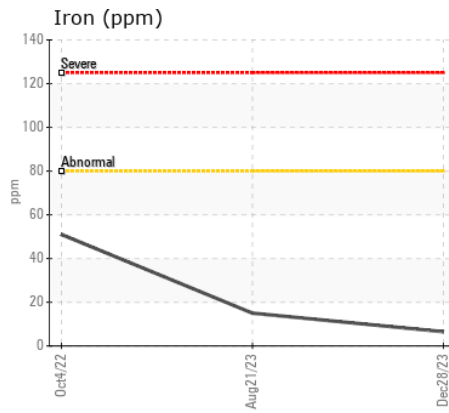
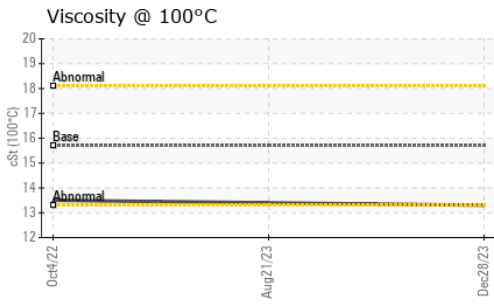
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>20	18	60	82
Potassium	ppm	ASTM D5185(m)	>20	4	2	4
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>3	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	7.4	12.3	9.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.4	26.0	23.5
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		2	5	4
Boron	ppm	ASTM D5185(m)		8	7	14
Barium	ppm	ASTM D5185(m)		0	<1	6
Molybdenum	ppm	ASTM D5185(m)		102	55	109
Manganese	ppm	ASTM D5185(m)		0	2	5
Magnesium	ppm	ASTM D5185(m)		216	766	714
Calcium	ppm	ASTM D5185(m)		1851	1318	1454
Phosphorus	ppm	ASTM D5185(m)	1200	697	713	727
Zinc	ppm	ASTM D5185(m)	1300	828	875	835
Sulfur	ppm	ASTM D5185(m)	3200	2343	2057	2239
Oxidation	Abs/.1mm	ASTM D7414*	>25	12.0	21.6	18.2
Visc @ 100°C	cSt	ASTM D7279(m)	15.7	13.3	13.4	13.5



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 780 - GMA - ICI - Solid Waste
Sample No. : GFL0097123 **Received** : 11 Jan 2024 4365 boul. St-Elzear Ouest,
Lab Number : 02608089 **Diagnosed** : 12 Jan 2024 Laval, QC
Unique Number : 5709175 **Diagnostician** : Kevin Marson CA H7P 4J3
Test Package : MOB 1

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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