



Machine Id
801225
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 15W40 (--- GAL)

RECOMMENDATION

Nous vous recommandons de vérifier la source de la fuite de fluide de refroidissement. Nous avons pris note que la vidange d'huile a été effectuée au moment de l'échantillonnage. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0078561	PC0071867	PC0035173
Sample Date		Client Info		05 Oct 2023	14 Aug 2023	17 Apr 2023
Machine Age	hrs	Client Info		20872	20611	20024
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	NORMAL	ABNORMAL

WEAR

Les taux d'usure de tous les composants sont normaux.

Iron	ppm	ASTM D5185(m)	>80	31	49	20
Chromium	ppm	ASTM D5185(m)	>5	4	3	<1
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	<1	<1
Silver	ppm	ASTM D5185(m)	>3	<1	<1	0
Aluminum	ppm	ASTM D5185(m)	>30	8	9	3
Lead	ppm	ASTM D5185(m)	>30	3	2	0
Copper	ppm	ASTM D5185(m)	>150	17	2	1
Tin	ppm	ASTM D5185(m)	>5	0	<1	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

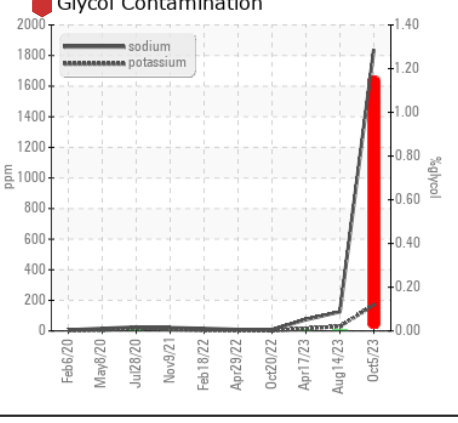
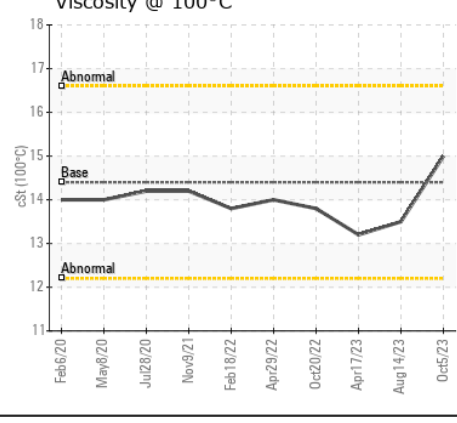
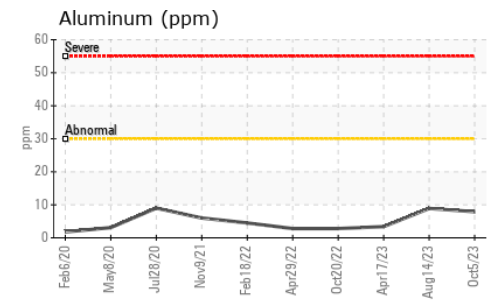
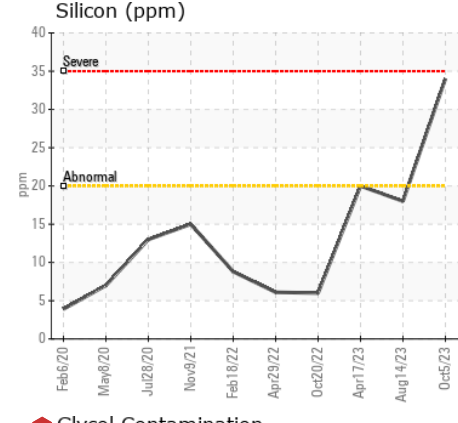
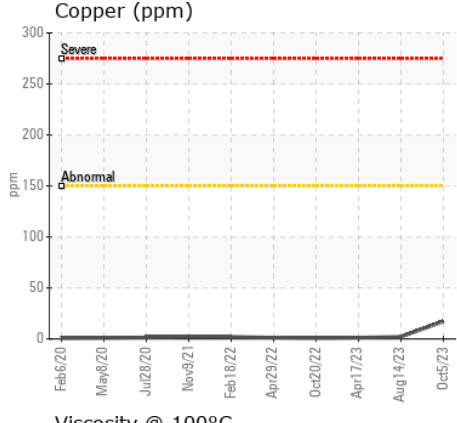
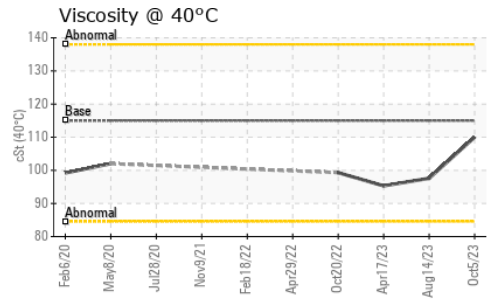
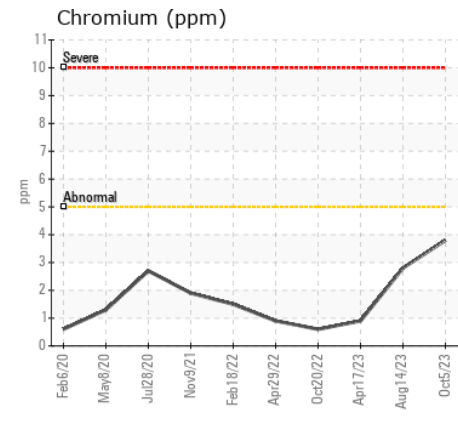
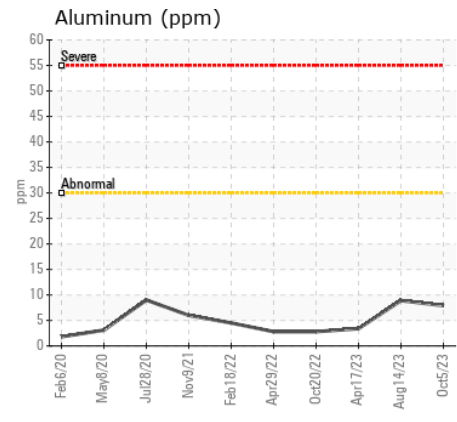
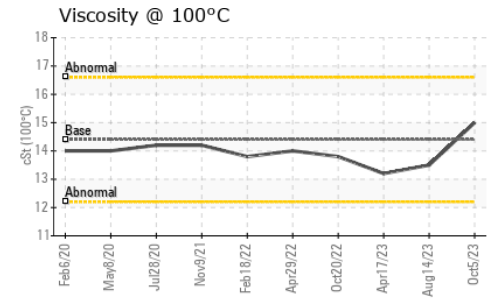
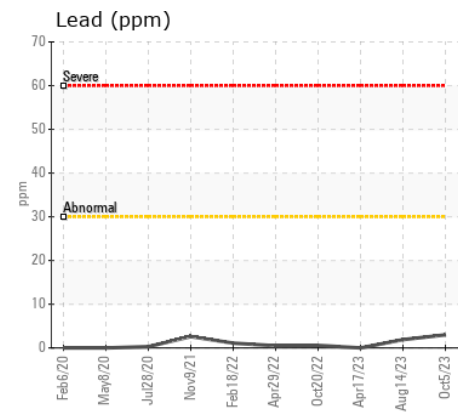
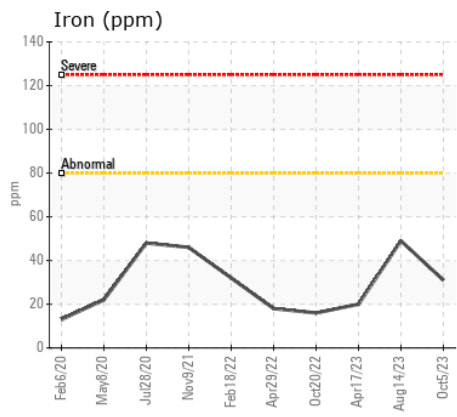
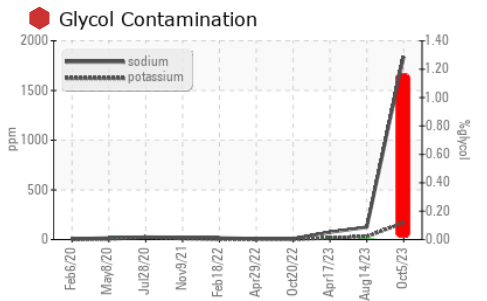
Le test de glycol est positif. Concentration élevée de glycol dans l'huile.

Silicon	ppm	ASTM D5185(m)	>20	34	18	▲ 20
Potassium	ppm	ASTM D5185(m)	>20	▲ 170	30	16
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol	%	ASTM D7922*		◆ 1.166	0.0	0.0
Soot %	%	ASTM D7844*	>3	0.4	0.7	0.2
Nitration	Abs/cm	ASTM D7624*	>20	14.3	11.7	9.2
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.5	24.6	20.2
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

L'huile ne peut plus être utilisée en raison de la présence de contaminants.

Sodium	ppm	ASTM D5185(m)	>158	▲ 1839	125	74
Boron	ppm	ASTM D5185(m)	250	60	6	39
Barium	ppm	ASTM D5185(m)	10	<1	0	0
Molybdenum	ppm	ASTM D5185(m)	100	171	69	62
Manganese	ppm	ASTM D5185(m)		1	<1	<1
Magnesium	ppm	ASTM D5185(m)	450	828	947	722
Calcium	ppm	ASTM D5185(m)	3000	989	1159	1330
Phosphorus	ppm	ASTM D5185(m)	1150	963	1024	814
Zinc	ppm	ASTM D5185(m)	1350	1101	1182	876
Sulfur	ppm	ASTM D5185(m)	4250	2378	2436	2188
Oxidation	Abs/.1mm	ASTM D7414*	>25	15.2	19.8	17.4
Visc @ 40°C	cSt	ASTM D7279(m)	115	110	97.6	95.3
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	15.0	13.5	13.2
Viscosity Index (VI)	Scale	ASTM D2270*	126	141	138	137



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0078561
Lab Number : 02587968
Unique Number : 5657034
Test Package : MOB 1 (Additional Tests: Glycol, KV40, VI)
Received : 10 Oct 2023
Tested : 10 Oct 2023
Diagnosed : 10 Oct 2023 - Kevin Marson
 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.

GFL Environmental - 742 - Quebec City Solid Waste
 5160 Jean-Talon Pierre-Bertrand Bou
 Quebec City, QC
 CA G2J 1B7
 Contact: Jean Audet
 Jaudet@matrec.ca
 T: (418)624-0080
 F: