



WEAR	SEVERE
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
801092
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 10W30 (--- GAL)

RECOMMENDATION

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		PC0077960	PC0078102	PC0064899
Sample Date		Client Info		06 Nov 2023	26 Sep 2023	26 Sep 2022
Machine Age	hrs	Client Info		142672	136504	110783
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	N/A
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				SEVERE	NORMAL	ABNORMAL

WEAR

La présence d'argent est sévère. Nous avons noté une brusque hausse du taux d'argent.

Iron	ppm	ASTM D5185(m)	>90	17	30	27
Chromium	ppm	ASTM D5185(m)	>20	<1	1	1
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	<1
Silver	ppm	ASTM D5185(m)	>2	8	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	2	4	4
Lead	ppm	ASTM D5185(m)	>40	0	0	0
Copper	ppm	ASTM D5185(m)	>330	1	3	1
Tin	ppm	ASTM D5185(m)	>15	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

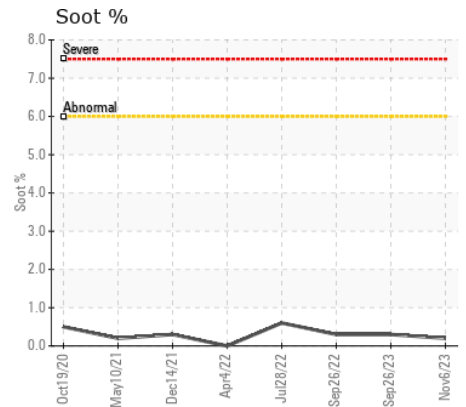
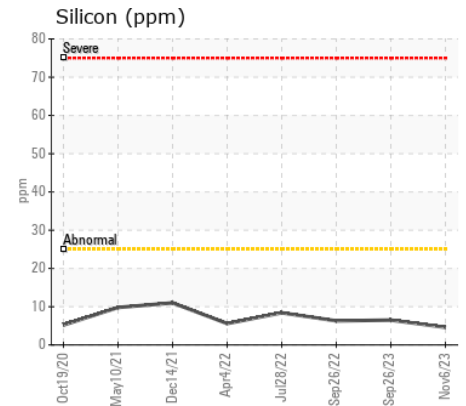
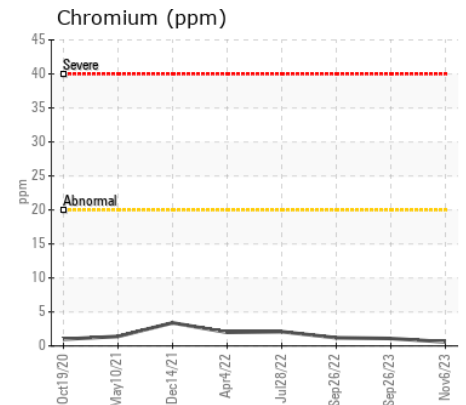
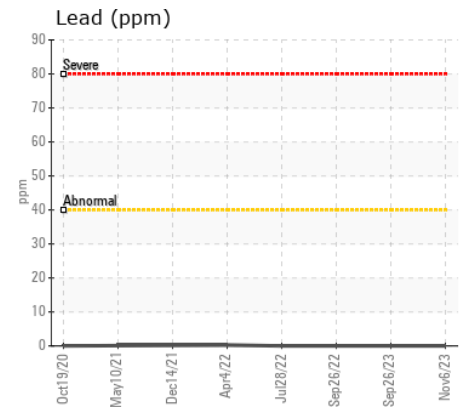
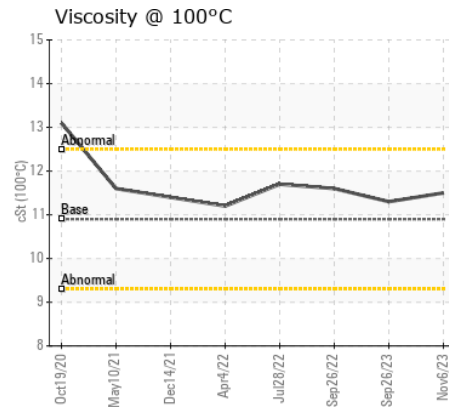
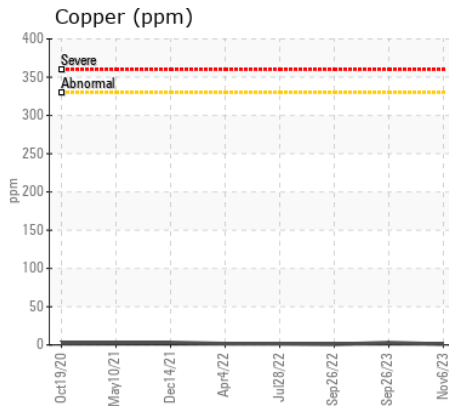
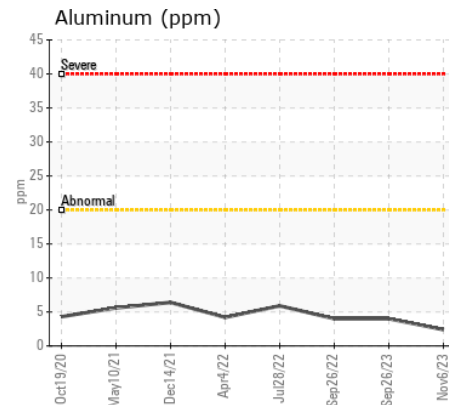
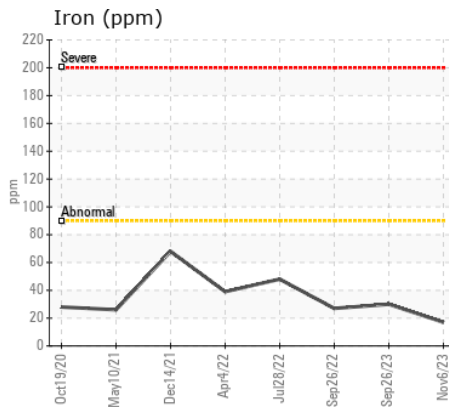
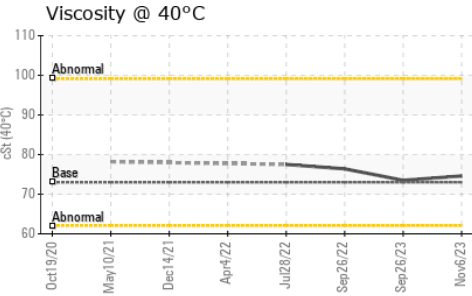
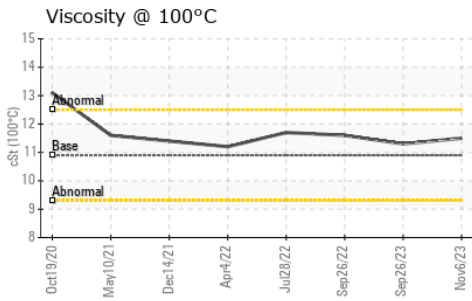
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	5	6	6
Potassium	ppm	ASTM D5185(m)	>20	1	4	2
Fuel		WC Method	>3.0	<1.0	<1.0	1.2
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*	>6	0.2	0.3	0.3
Nitration	Abs/cm	ASTM D7624*	>20	8.2	10.7	9.1
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.7	21.6	20.5
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

l'huile n'est plus en état de service en raison d'une usure anormale et/ou sévère.

Sodium	ppm	ASTM D5185(m)		4	2	2
Boron	ppm	ASTM D5185(m)	250	5	5	6
Barium	ppm	ASTM D5185(m)	10	<1	<1	0
Molybdenum	ppm	ASTM D5185(m)	100	59	61	60
Manganese	ppm	ASTM D5185(m)		0	0	<1
Magnesium	ppm	ASTM D5185(m)	450	942	943	964
Calcium	ppm	ASTM D5185(m)	3000	1048	1071	1079
Phosphorus	ppm	ASTM D5185(m)	1150	967	964	1053
Zinc	ppm	ASTM D5185(m)	1350	1179	1192	1183
Sulfur	ppm	ASTM D5185(m)	4250	2434	2350	2499
Oxidation	Abs/.1mm	ASTM D7414*	>25	15.8	18.2	17.0
Visc @ 40°C	cSt	ASTM D7279(m)	73	74.6	73.5	76.4
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	11.5	11.3	11.6
Viscosity Index (VI)	Scale	ASTM D2270*	138	147	145	144



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0077960
Lab Number : 02594948
Unique Number : 5672027
Test Package : MOB 1 (Additional Tests: KV40, VI)

GFL Environmental - 737 - Quebec City Hauling
 6205 Boul. Wilfrid Hamel,
 Quebec City, QC
 CA G2E 5G8
 Contact: Dave Beaulieu
 davebeaulieu@matrec.ca

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.

T:
F: