



Machine Id
801225
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 10W30 (--- GAL)

RECOMMENDATION

Vérifier le niveau du 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		PC0082179	PC0078510	PC0078511
Sample Date		Client Info		28 Mar 2024	26 Oct 2023	17 Oct 2023
Machine Age	hrs	Client Info		437225	431690	43676
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	N/A	N/A
Filter Changed		Client Info		Changed	N/A	N/A
Sample Status				ATTENTION	ABNORMAL	ABNORMAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>75	25	11	10
Chromium	ppm	ASTM D5185(m)	>5	1	<1	<1
Nickel	ppm	ASTM D5185(m)	>4	<1	<1	0
Titanium	ppm	ASTM D5185(m)	>2	0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	<1	<1
Aluminum	ppm	ASTM D5185(m)	>15	4	3	2
Lead	ppm	ASTM D5185(m)	>25	0	<1	<1
Copper	ppm	ASTM D5185(m)	>100	3	4	4
Tin	ppm	ASTM D5185(m)	>4	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0

CONTAMINATION

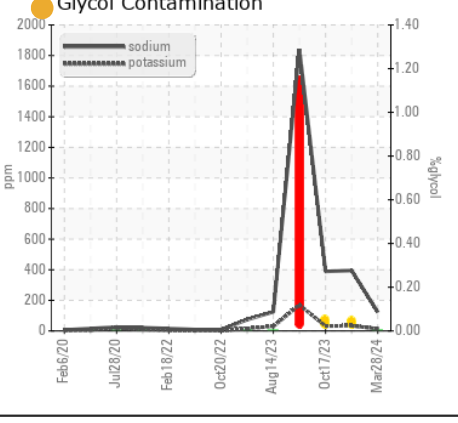
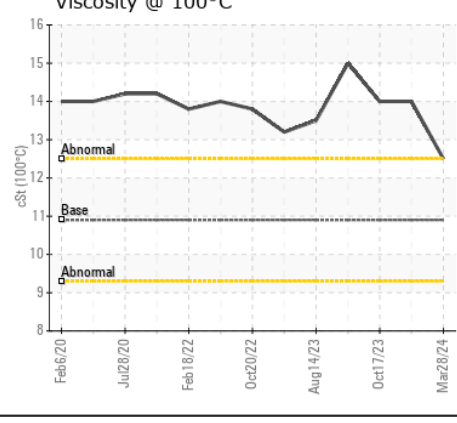
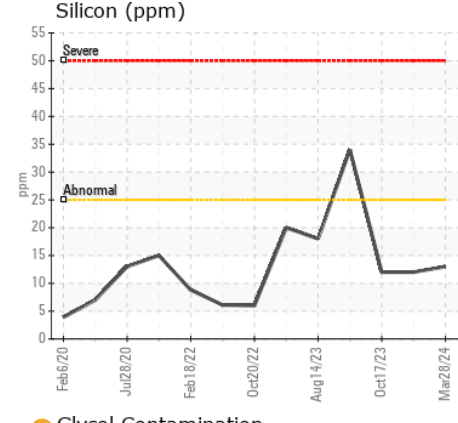
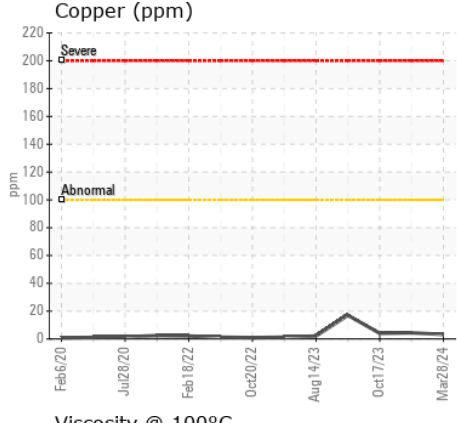
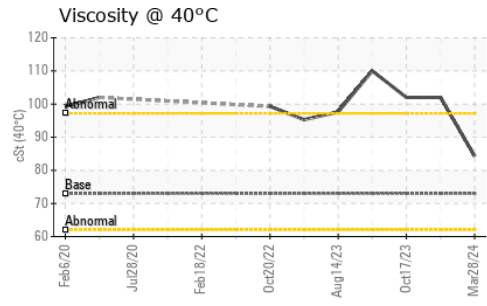
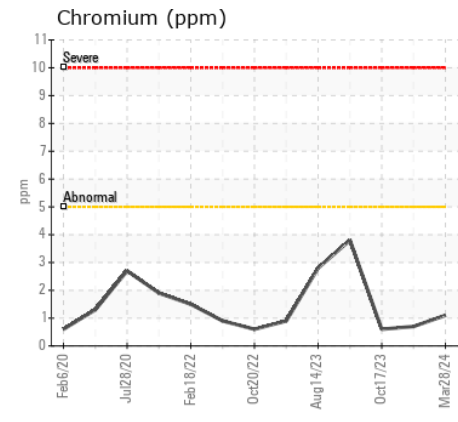
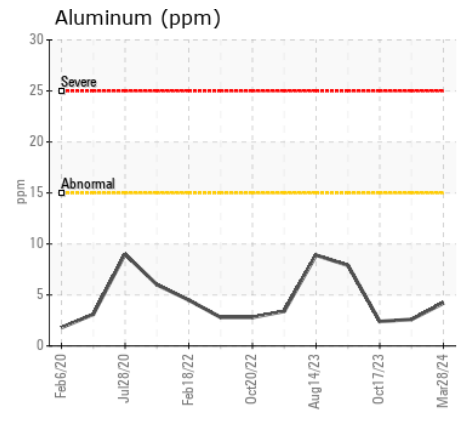
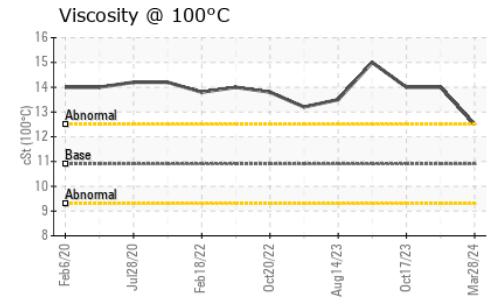
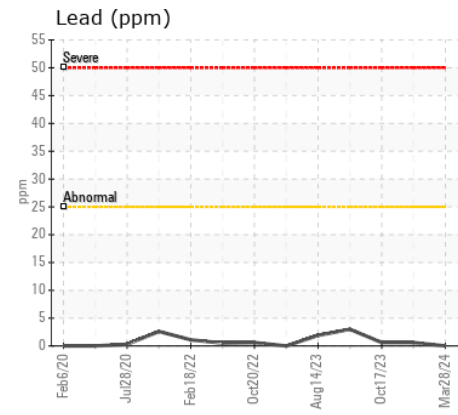
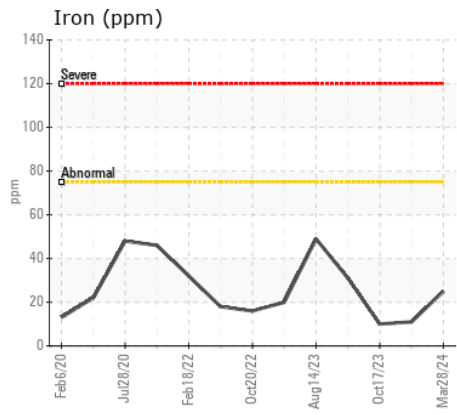
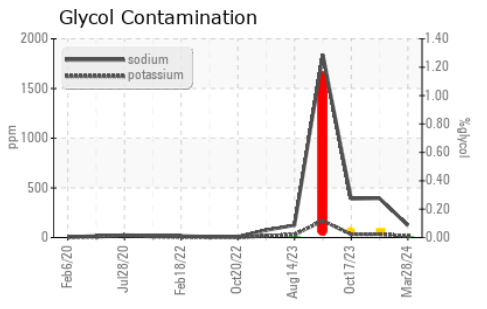
Des produits de traitement de l'eau sont présents, ce qui indique une fuite lente de fluide de refroidissement. Le test de glycol est négatif. Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	13	12	12
Potassium	ppm	ASTM D5185(m)	>20	14	▲ 34	▲ 32
Fuel		WC Method	>3.0	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol	%	ASTM D7922*		0.0	▲ 0.063	▲ 0.069
Soot %	%	ASTM D7844*	>6	0.4	0	0
Nitration	Abs/cm	ASTM D7624*	>20	8.5	6.7	6.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.1	18.4	18.1
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

L'état de l'huile est acceptable pour la durée de service (voir recommandation).

Sodium	ppm	ASTM D5185(m)		● 123	● 395	● 389
Boron	ppm	ASTM D5185(m)	250	8	12	13
Barium	ppm	ASTM D5185(m)	10	0	<1	<1
Molybdenum	ppm	ASTM D5185(m)	100	65	80	78
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)	450	946	893	884
Calcium	ppm	ASTM D5185(m)	3000	1070	1062	1049
Phosphorus	ppm	ASTM D5185(m)	1150	994	986	979
Zinc	ppm	ASTM D5185(m)	1350	1159	1164	1138
Sulfur	ppm	ASTM D5185(m)	4250	2497	2560	2525
Oxidation	Abs/.1mm	ASTM D7414*	>25	15.5	13.4	12.9
Visc @ 40°C	cSt	ASTM D7279(m)	73	84.3	102	102
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	12.5	14.0	14.0
Viscosity Index (VI)	Scale	ASTM D2270*	138	145	139	139



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0082179
Lab Number : 02626395
Unique Number : 5759527
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.