

Machine Id
510119
Component
Gasoline Engine
Fluid
GASOLINE ENGINE OIL SAE 5W40 (--- GAL)

RECOMMENDATION

Aucune mesure corrective n'est recommandée pour l'instant.
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		PC0078943	PC0079448	PC0079145
Sample Date		Client Info		14 Apr 2024	20 Feb 2024	10 Jan 2024
Machine Age	kms	Client Info		193232	185744	181089
Oil Age	kms	Client Info		0	0	0
Filter Age	kms	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	MARGINAL

WEAR

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

Iron	ppm	ASTM D5185(m)	>150	11	14	18
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>40	2	4	4
Lead	ppm	ASTM D5185(m)	>50	0	0	<1
Copper	ppm	ASTM D5185(m)	>155	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>10	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	VLITE	NONE
Yellow Metal	scalar	Visual*	NONE	VLITE	NONE	VLITE

CONTAMINATION

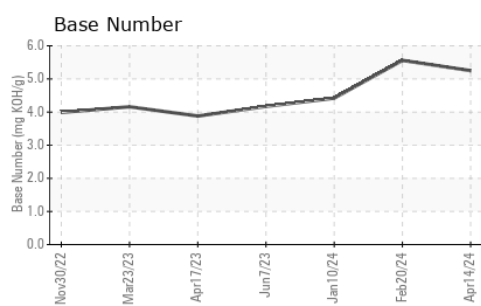
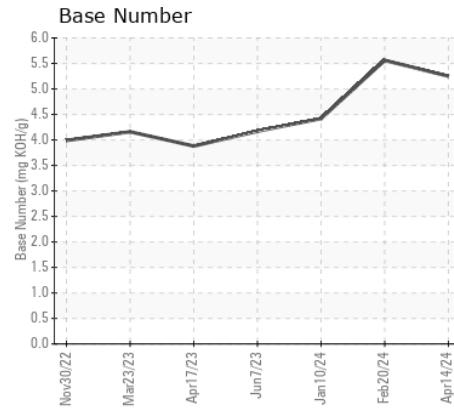
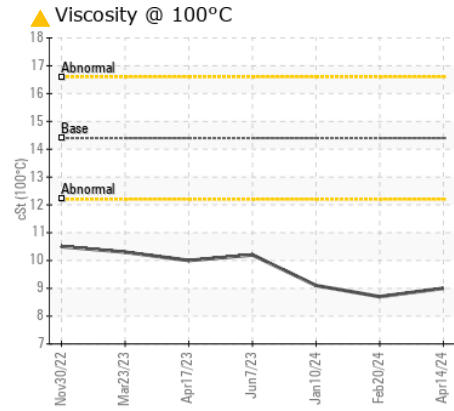
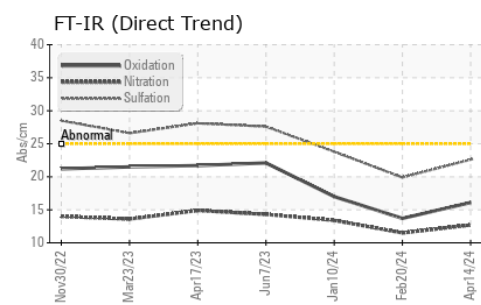
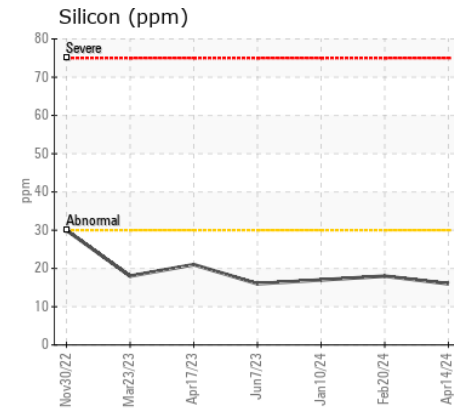
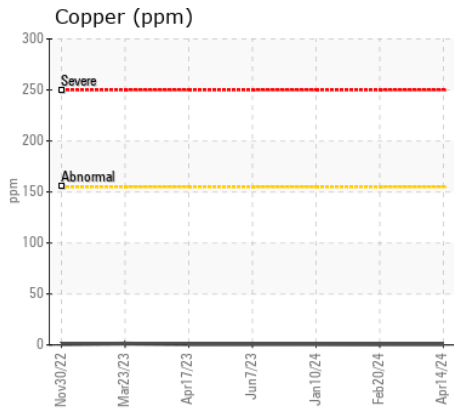
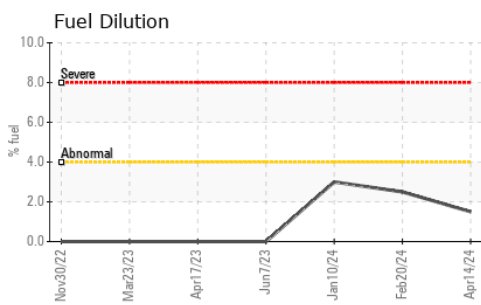
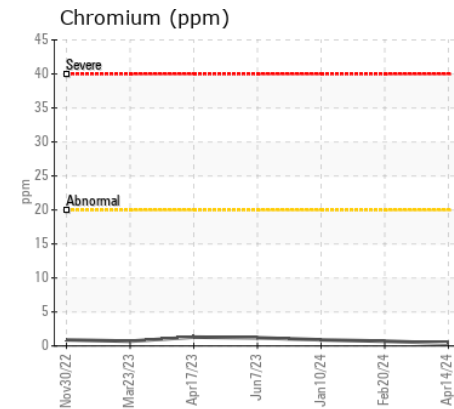
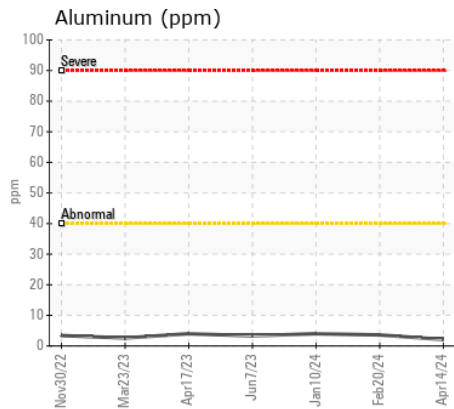
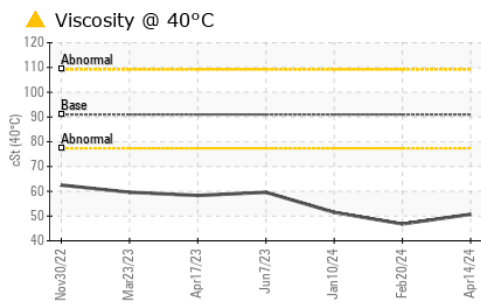
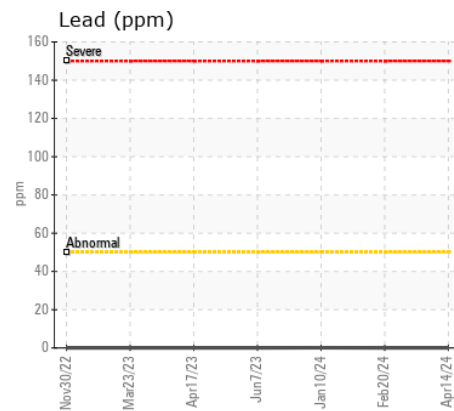
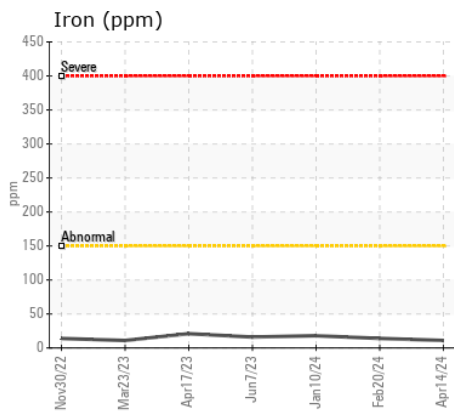
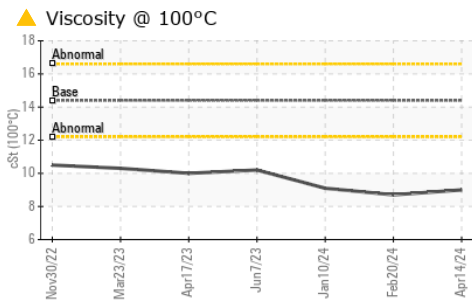
Légère dilution de carburant dans l'huile. Aucun autre contaminant n'a été détecté dans l'huile.

Silicon	ppm	ASTM D5185(m)	>30	16	18	17
Potassium	ppm	ASTM D5185(m)	>20	5	2	2
Fuel	%	ASTM D7593*	>4.0	1.5	▲ 2.5	▲ 3
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	12.7	11.5	13.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	22.6	19.9	23.8
Silt	scalar	Visual*	NONE	NONE	VLITE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG

FLUID CONDITION

Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l'huile. La viscosité de l'échantillon se situe dans la portée de l'SAE 5W20; nous vous conseillons de vérifier. L'état de l'huile permet d'en prolonger l'utilisation.

Sodium	ppm	ASTM D5185(m)	>400	3	2	5
Boron	ppm	ASTM D5185(m)	75	47	86	48
Barium	ppm	ASTM D5185(m)	5	0	0	0
Molybdenum	ppm	ASTM D5185(m)	100	70	69	72
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)	12	496	472	498
Calcium	ppm	ASTM D5185(m)	2100	1189	1160	1199
Phosphorus	ppm	ASTM D5185(m)	650	635	632	673
Zinc	ppm	ASTM D5185(m)	850	711	688	735
Sulfur	ppm	ASTM D5185(m)	2500	2269	2437	2512
Oxidation	Abs/.1mm	ASTM D7414*	>25	16.1	13.7	17.0
Base Number (BN)	mg KOH/g	ASTM D2896*		5.25	5.56	4.42
Visc @ 40°C	cSt	ASTM D7279(m)	91	▲ 50.7	▲ 46.8	51.5
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	▲ 9.0	▲ 8.7	9.1
Viscosity Index (VI)	Scale	ASTM D2270*	164	159	167	159



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0078943 **Received** : 17 May 2024
Lab Number : **02636262** **Tested** : 21 May 2024
Unique Number : 5785424 **Diagnosed** : 21 May 2024 - Kevin Marson
Test Package : MOB 2 (Additional Tests: FuelDilution, KV40, PercentFuel, VI)

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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