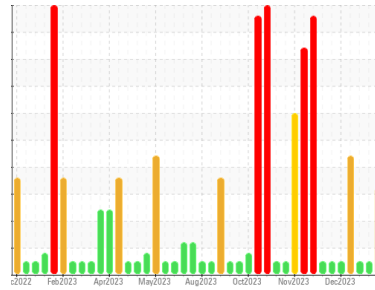




OIL ANALYSIS REPORT

Machine Id
LIDM01BE (S/N GZJ-00169)
 Component
Biogas Engine
 Fluid
CHEVRON HDAX 6500 LFG GAS ENGINE OIL (540 LTR)

Sample Rating Trend



DEGRADATION



DIAGNOSIS

Recommendation

Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Wear

Nous avons noté une forte hausse du niveau de fer. Les taux d'usure de tous les autres composants sont normaux.

Contamination

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

Fluid Condition

Le niveau de AN est supérieur à la limite recommandée. Le niveau de BN est inférieur à la normale. l'huile ne peut plus être utilisée.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0874456	WC0874467	WC0874468
Sample Date	Client Info		15 Jan 2024	08 Jan 2024	02 Jan 2024
Machine Age	hrs	Client Info	3850	3704	3565
Oil Age	hrs	Client Info	433	287	148
Oil Changed	Client Info		Not Chngd	Not Chngd	Not Chngd
Sample Status			ABNORMAL	NORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>4.0	<1.0	<1.0	<1.0
Water	WC Method	>0.1	NEG	NEG	NEG
Glycol	WC Method		NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >15	13	6	3
Chromium	ppm	ASTM D5185(m) >4	<1	0	0
Nickel	ppm	ASTM D5185(m) >2	<1	0	<1
Titanium	ppm	ASTM D5185(m)	0	0	0
Silver	ppm	ASTM D5185(m) >5	0	0	0
Aluminum	ppm	ASTM D5185(m) >6	3	2	2
Lead	ppm	ASTM D5185(m) >9	<1	<1	0
Copper	ppm	ASTM D5185(m) >6	2	1	<1
Tin	ppm	ASTM D5185(m) >4	3	1	<1
Antimony	ppm	ASTM D5185(m)	3	1	<1
Vanadium	ppm	ASTM D5185(m)	0	0	0
Beryllium	ppm	ASTM D5185(m)	0	0	0
Cadmium	ppm	ASTM D5185(m)	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	4	4	4
Barium	ppm	ASTM D5185(m)	0	0	0
Molybdenum	ppm	ASTM D5185(m)	2	1	1
Manganese	ppm	ASTM D5185(m)	0	0	0
Magnesium	ppm	ASTM D5185(m)	18	17	17
Calcium	ppm	ASTM D5185(m)	1747	1686	1732
Phosphorus	ppm	ASTM D5185(m)	260	245	257
Zinc	ppm	ASTM D5185(m)	301	289	298
Sulfur	ppm	ASTM D5185(m)	3078	2416	2040
Lithium	ppm	ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

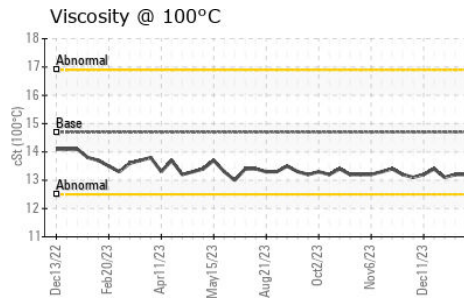
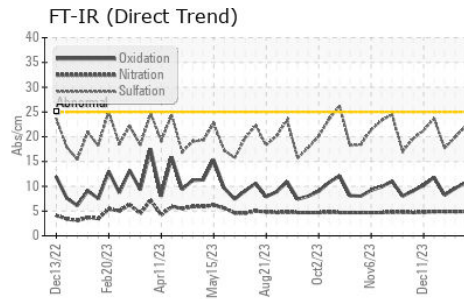
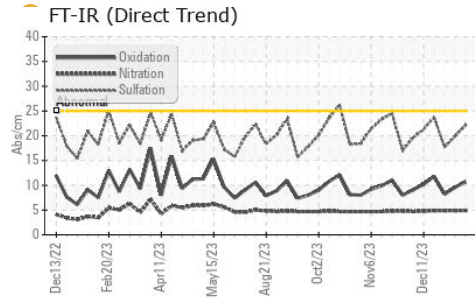
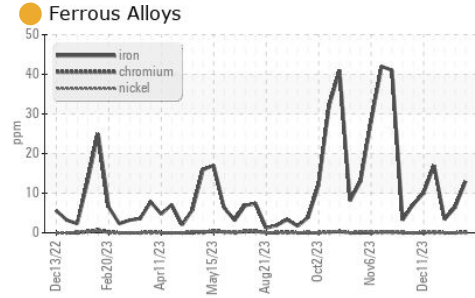
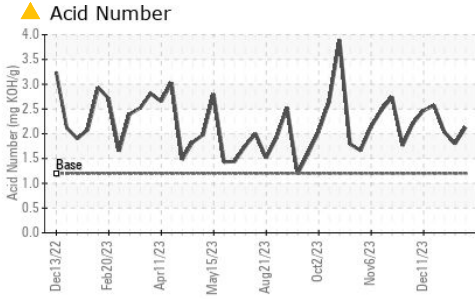
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >181	113	70	44
Sodium	ppm	ASTM D5185(m)	<1	<1	<1
Potassium	ppm	ASTM D5185(m) >20	2	2	2

INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	0	0	0
Nitration	Abs/cm	ASTM D7624* >20	4.9	4.9	4.9
Sulfation	Abs./1mm	ASTM D7415* >30	22.1	19.9	17.7



OIL ANALYSIS REPORT

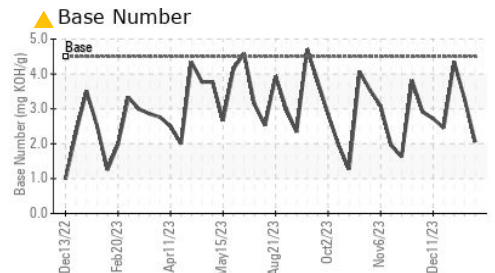
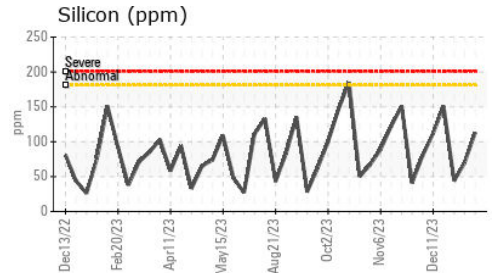
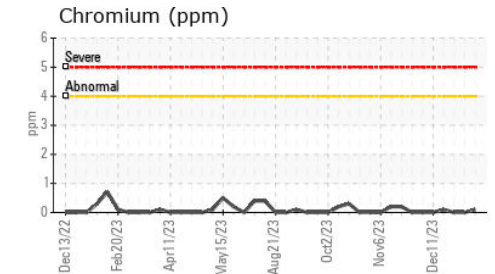
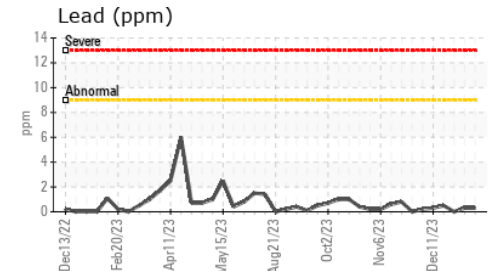
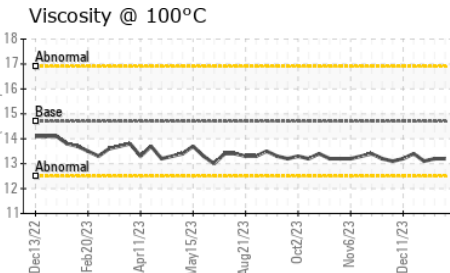
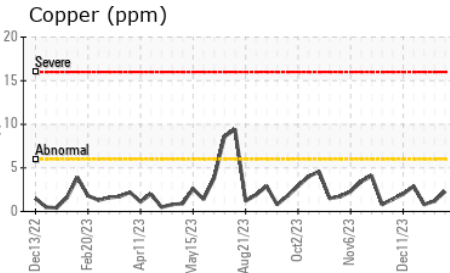
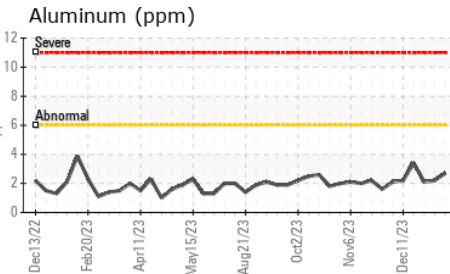
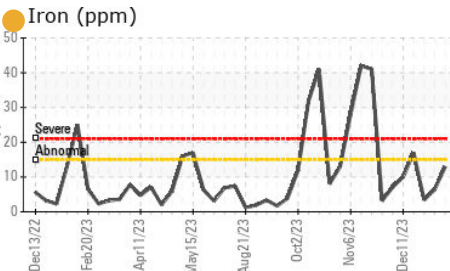


FLUID DEGRADATION	method	limit/base	current	history1	history2	
Oxidation	Abs./1mm	ASTM D7414*	>25	10.7	9.6	8.2
Acid Number (AN)	mg KOH/g	ASTM D974*	1.2	▲ 2.13	1.80	2.03
Base Number (BN)	mg KOH/g	ASTM D2896*	4.5	▲ 2.05	3.28	4.35
i-pH	Scale 0-14	ASTM D7946*	<4.5	4.76	4.68	5.70

VISUAL	method	limit/base	current	history1	history2	
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D7279(m)	14.7	13.2	13.2	13.1

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0874456 **Received** : 17 Jan 2024
Lab Number : 02609285 **Tested** : 22 Jan 2024
Unique Number : 5710371 **Diagnosed** : 23 Jan 2024 - Kevin Marson
Test Package : MOB 2 (Additional Tests: i-pH, TAN Auto)

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 F:

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.