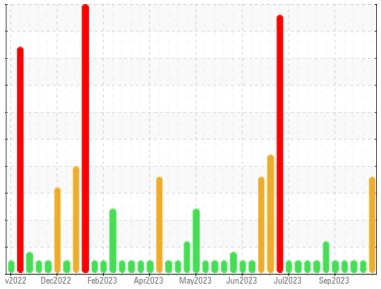
OIL ANALYSIS REPORT

Machine Id
LIDM06BE (S/N G2J-00165)
Component
Biogas Engine
Fluid
CHEVRON HDAX 6500 LFG GAS ENGINE OIL (540 LTR)

Sample Rating Trend



PH

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

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

Contamination

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

Fluid Condition

Le niveau de i-pH est anormalement bas. 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		**WC0772234**	WC0772227	WC0817916
Sample Date		Client Info		**02 Oct 2023**	25 Sep 2023	18 Sep 2023
Machine Age	hrs	Client Info		**23662**	23493	23333
Oil Age	hrs	Client Info		**775**	606	446
Oil Changed		Client Info		**Not Changd**	Not Changd	Not Changd
Sample Status				**ABNORMAL**	NORMAL	NORMAL

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

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>15	**7**	7	8
Chromium	ppm	ASTM D5185(m)	>4	**0**	0	<1
Nickel	ppm	ASTM D5185(m)	>2	**0**	<1	<1
Titanium	ppm	ASTM D5185(m)		**0**	0	0
Silver	ppm	ASTM D5185(m)	>5	**<1**	<1	0
Aluminum	ppm	ASTM D5185(m)	>6	**3**	2	3
Lead	ppm	ASTM D5185(m)	>9	**<1**	<1	<1
Copper	ppm	ASTM D5185(m)	>6	**2**	2	1
Tin	ppm	ASTM D5185(m)	>4	**2**	2	2
Antimony	ppm	ASTM D5185(m)		**3**	2	2
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)		**3**	3	3
Barium	ppm	ASTM D5185(m)		**<1**	<1	0
Molybdenum	ppm	ASTM D5185(m)		**3**	3	4
Manganese	ppm	ASTM D5185(m)		**0**	0	<1
Magnesium	ppm	ASTM D5185(m)		**8**	9	9
Calcium	ppm	ASTM D5185(m)		**1861**	1830	1745
Phosphorus	ppm	ASTM D5185(m)		**247**	248	258
Zinc	ppm	ASTM D5185(m)		**299**	293	290
Sulfur	ppm	ASTM D5185(m)		**2698**	2459	2095
Lithium	ppm	ASTM D5185(m)		**<1**	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>181	**106**	88	72
Sodium	ppm	ASTM D5185(m)		**<1**	<1	<1
Potassium	ppm	ASTM D5185(m)	>20	**2**	9	3

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		**0**	0	0
Nitration	Abs/cm	ASTM D7624*	>20	**5.2**	5.2	5.0
Sulfation	Abs/.1mm	ASTM D7415*	>30	**23.4**	21.5	19.0

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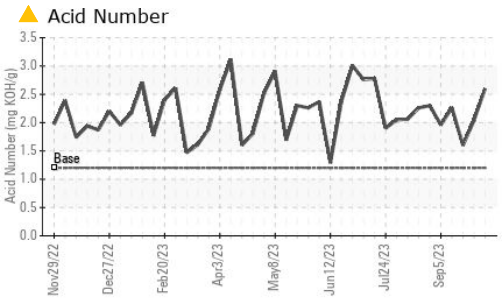
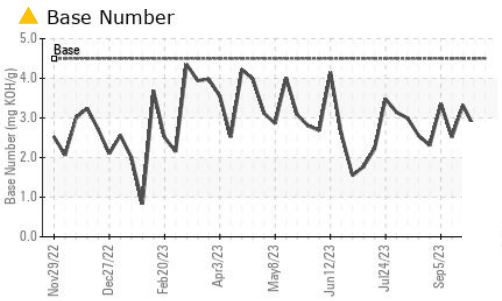
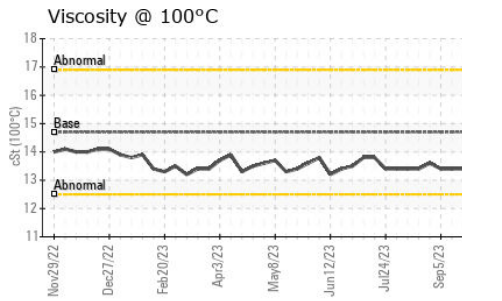




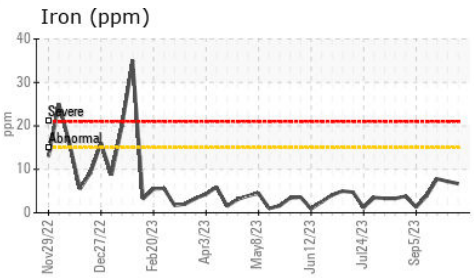


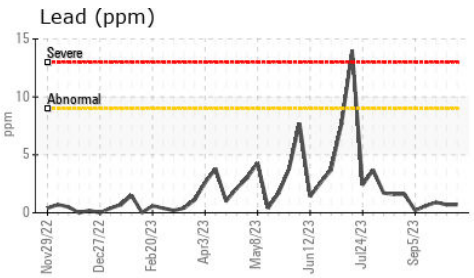
FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	**12.4**	11.1	9.2
Acid Number (AN)	mg KOH/g	ASTM D974*	1.2	▲ **2.60**	2.04	1.60
Base Number (BN)	mg KOH/g	ASTM D2896*	4.5	▲ **2.12**	2.77	3.32
i-pH	Scale 0-14	ASTM D7946*	<4.5	▲ **4.26**	5.00	6.00

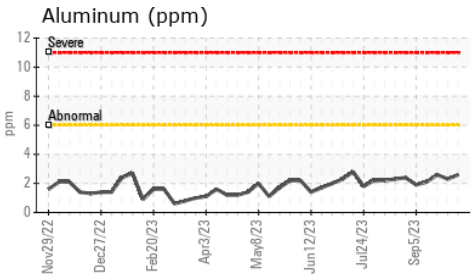
VISUAL		method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.1	**NEG**	NEG	NEG
Free Water	scalar	Visual*		**NEG**	NEG	NEG

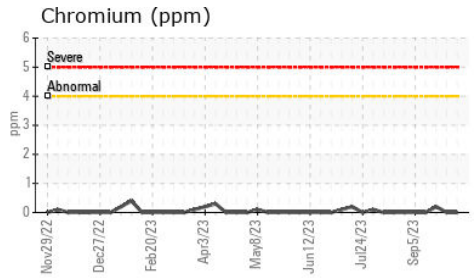
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	14.7	**13.5**	13.4	13.4

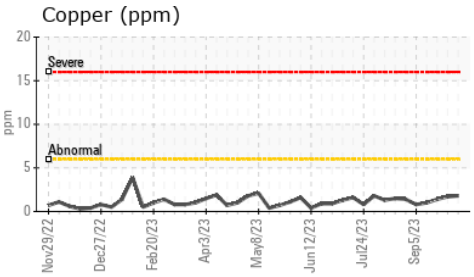
GRAPHS

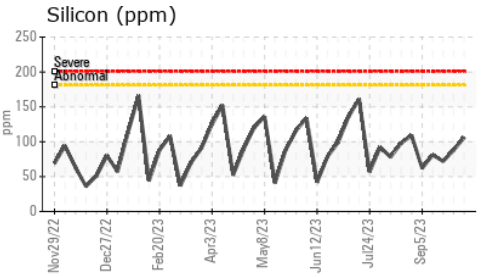


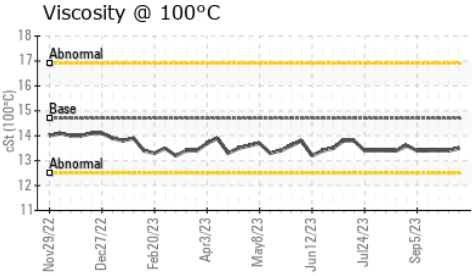


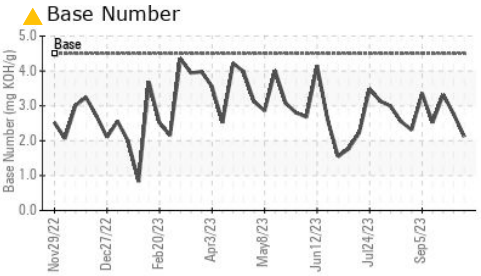












ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0772234 **Received** : 04 Oct 2023
Lab Number : 02586712 **Diagnosed** : 06 Oct 2023
Unique Number : 5655778 **Diagnostician** : Kevin Marson
Test Package : MOB 2 (Additional Tests: i-pH, TAN Auto, TAN Man)

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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Report Id: LYDLAC [WCAMIS] 02586712 (Generated: 10/10/2023 07:15:06) Rev: 1

Submitted By: Simon Giroux