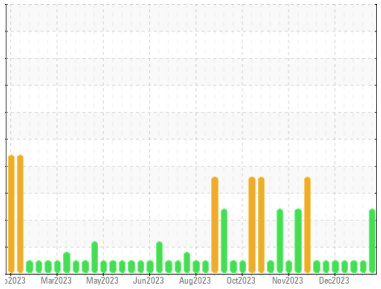
OIL ANALYSIS REPORT

Sample Rating Trend



DEGRADATION

Machine Id
LIDM07BE (S/N GZJ00166)
Component
Biogas Engine
Fluid
CHEVRON HDAX 6500 LFG GAS ENGINE OIL (540 LTR)

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 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		**WC0874462**	WC0874478	WC0874474
Sample Date		Client Info		**15 Jan 2024**	08 Jan 2024	02 Jan 2024
Machine Age	hrs	Client Info		**26459**	26292	26154
Oil Age	hrs	Client Info		**448**	281	143
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
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	**5**	4	3
Chromium	ppm	ASTM D5185(m)	>4	**0**	0	0
Nickel	ppm	ASTM D5185(m)	>2	**0**	<1	<1
Titanium	ppm	ASTM D5185(m)		**0**	0	0
Silver	ppm	ASTM D5185(m)	>5	**0**	0	0
Aluminum	ppm	ASTM D5185(m)	>6	**4**	3	3
Lead	ppm	ASTM D5185(m)	>9	**<1**	<1	<1
Copper	ppm	ASTM D5185(m)	>6	**1**	1	<1
Tin	ppm	ASTM D5185(m)	>4	**2**	1	<1
Antimony	ppm	ASTM D5185(m)		**3**	2	<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)		**1**	1	1
Manganese	ppm	ASTM D5185(m)		**0**	0	0
Magnesium	ppm	ASTM D5185(m)		**18**	18	19
Calcium	ppm	ASTM D5185(m)		**1848**	1701	1738
Phosphorus	ppm	ASTM D5185(m)		**268**	252	260
Zinc	ppm	ASTM D5185(m)		**317**	297	305
Sulfur	ppm	ASTM D5185(m)		**3022**	2624	2309
Lithium	ppm	ASTM D5185(m)		**<1**	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>181	**96**	72	54
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	**5.5**	5.3	5.2
Sulfation	Abs/.1mm	ASTM D7415*	>30	**23.8**	21.8	19.4

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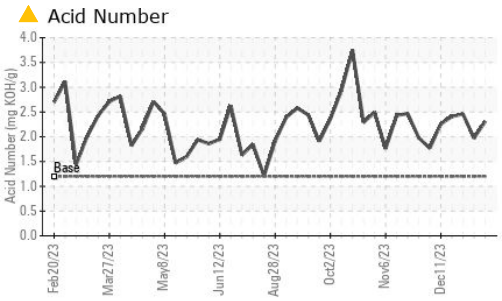
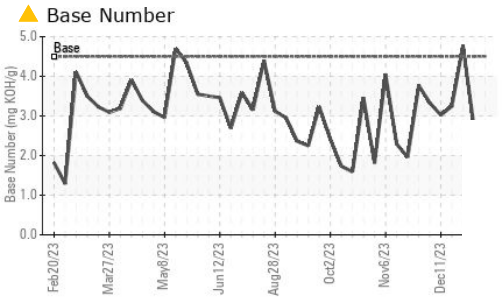
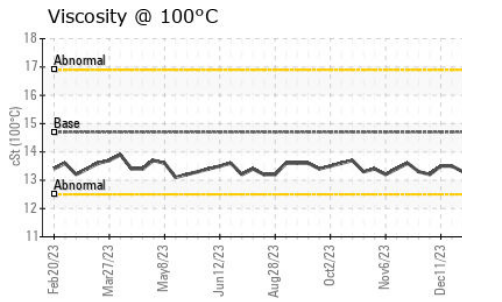




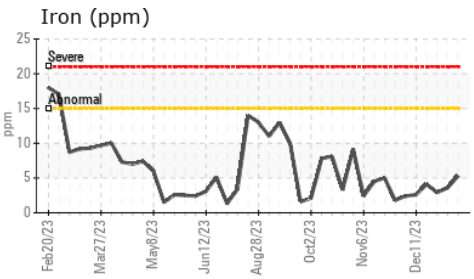


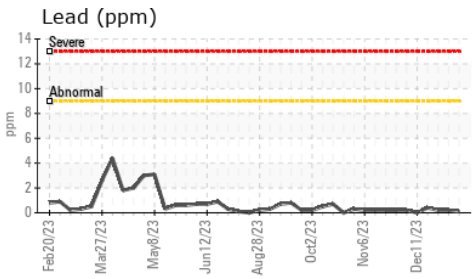
FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	**13.1**	11.7	10.0
Acid Number (AN)	mg KOH/g	ASTM D974*	1.2	▲ **2.31**	1.97	2.46
Base Number (BN)	mg KOH/g	ASTM D2896*	4.5	▲ **2.06**	2.72	4.77
i-pH	Scale 0-14	ASTM D7946*	<4.5	**4.77**	4.61	5.26

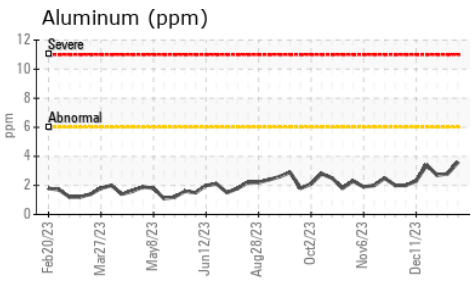
VISUAL		method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.1	**NEG**	NEG	NEG
Free Water	scalar	Visual*		**NEG**	NEG	NEG

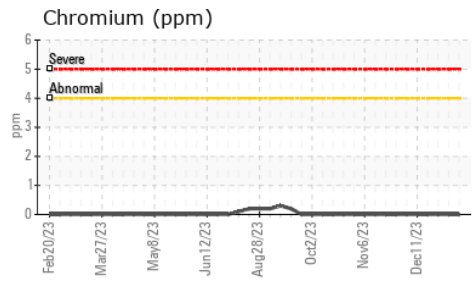
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	14.7	**13.5**	13.4	13.3

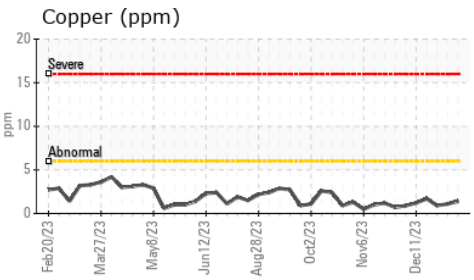
GRAPHS

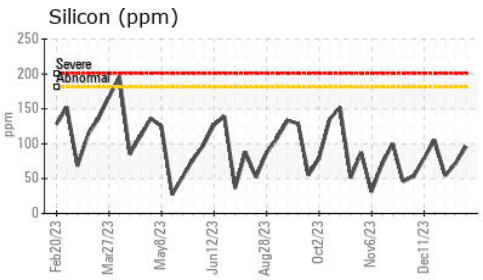


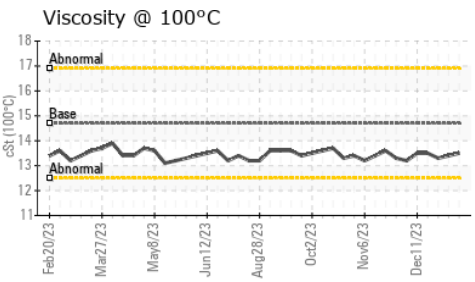


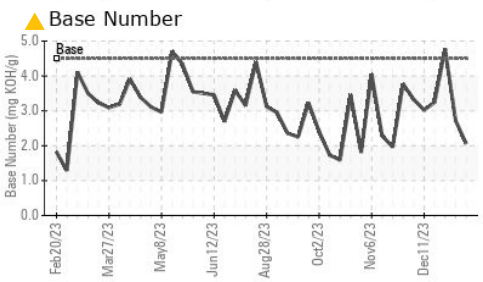












ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0874462 **Recieved** : 17 Jan 2024
Lab Number : 02609288 **Diagnosed** : 23 Jan 2024
Unique Number : 5710374 **Diagnostician** : Kevin Marson
Test Package : MOB 2 (Additional Tests: i-pH, TAN Auto)

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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