



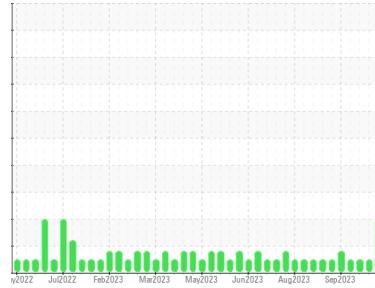
OIL ANALYSIS REPORT

Sample Rating Trend

PH



Machine Id
LIDM02BE (S/N GZJ00681)
 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

Nous avons noté une forte hausse du niveau de fer.

Contamination

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

▲ Fluid Condition

Le niveau de i-pH est anormalement bas. Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l'huile. Le AN est acceptable pour ce fluide. l'huile ne peut plus être utilisée.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0817903	WC0772237	WC0772231
Sample Date	Client Info		10 Oct 2023	02 Oct 2023	25 Sep 2023
Machine Age	hrs	Client Info	5482	5287	5118
Oil Age	hrs	Client Info	475	280	111
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
Glycol	WC Method		NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>15	▲ 14	7	6
Chromium	ppm	ASTM D5185(m)	>4	0	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	<1	<1	<1
Aluminum	ppm	ASTM D5185(m)	>6	2	2	2
Lead	ppm	ASTM D5185(m)	>9	<1	<1	<1
Copper	ppm	ASTM D5185(m)	>6	2	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)		3	3	3
Barium	ppm	ASTM D5185(m)		<1	<1	<1
Molybdenum	ppm	ASTM D5185(m)		3	3	3
Manganese	ppm	ASTM D5185(m)		0	0	0
Magnesium	ppm	ASTM D5185(m)		9	8	7
Calcium	ppm	ASTM D5185(m)		1787	1754	1706
Phosphorus	ppm	ASTM D5185(m)		242	238	234
Zinc	ppm	ASTM D5185(m)		289	281	278
Sulfur	ppm	ASTM D5185(m)		2693	2178	1775
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>181	100	70	47
Sodium	ppm	ASTM D5185(m)		<1	1	<1
Potassium	ppm	ASTM D5185(m)	>20	1	2	2

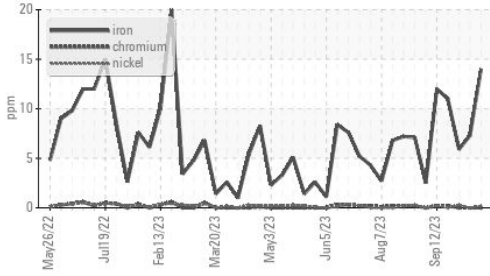
INFRA-RED

	method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	4.9	4.7	4.7
Sulfation	Abs/1mm	ASTM D7415*	>30	21.7	18.9	17.2



OIL ANALYSIS REPORT

▲ Ferrous Alloys



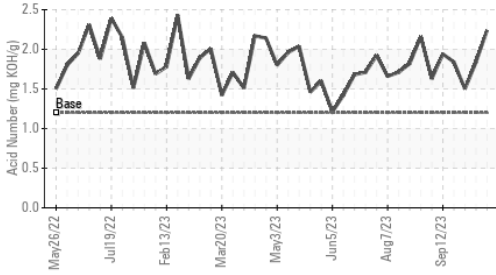
FLUID DEGRADATION	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	ASTM D7414*	>25	10.2	8.6	8.0
Acid Number (AN)	mg KOH/g	ASTM D974*	1.2	2.24	1.84	1.50
Base Number (BN)	mg KOH/g	ASTM D2896*	4.5	2.33	3.26	3.86
i-pH	Scale 0-14	ASTM D7946*	<4.5	▲ 4.39	5.38	5.78

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

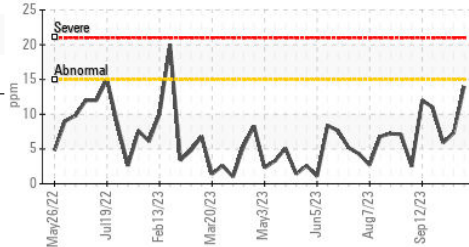
FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D7279(m)	14.7	13.2	13.3	13.2

GRAPHS

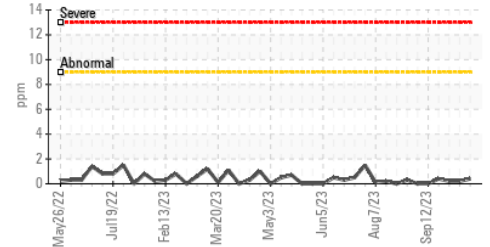
Acid Number



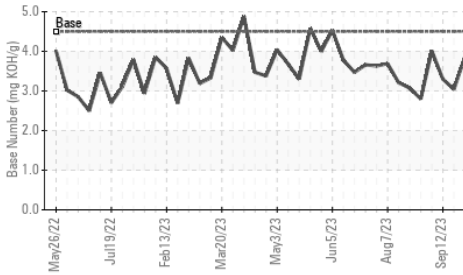
▲ Iron (ppm)



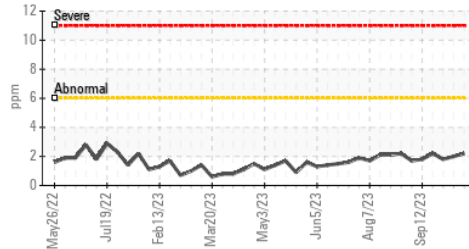
Lead (ppm)



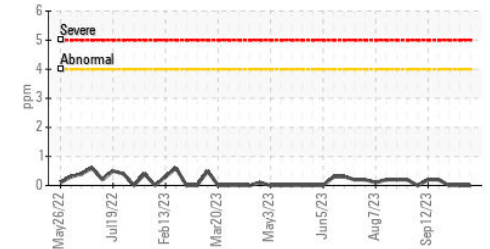
Base Number



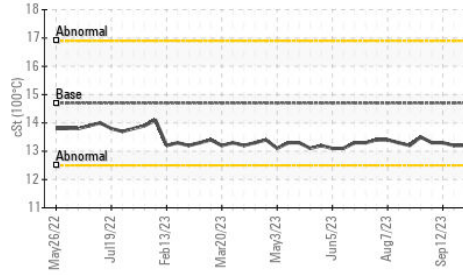
Aluminum (ppm)



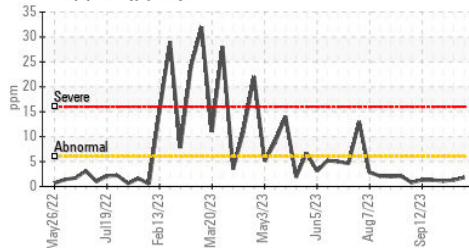
Chromium (ppm)



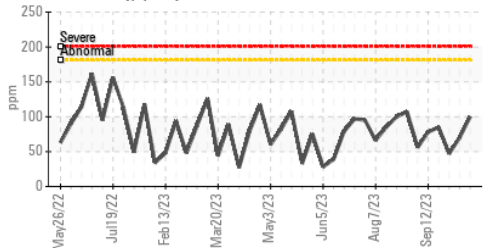
Viscosity @ 100°C



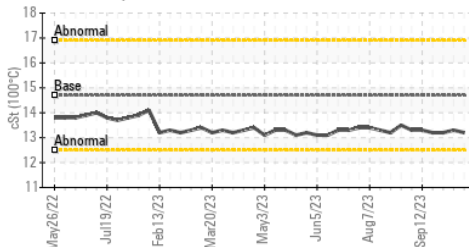
Copper (ppm)



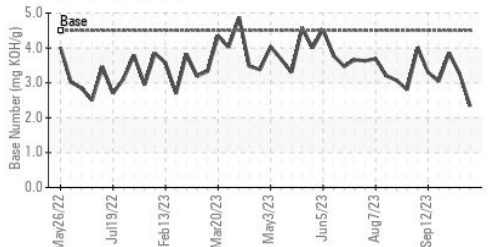
Silicon (ppm)



Viscosity @ 100°C



Base Number



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC0817903 **Received** : 12 Oct 2023
Lab Number : 02588605 **Diagnosed** : 17 Oct 2023
Unique Number : 5657671 **Diagnostician** : Kevin Marson
Test Package : MOB 2 (Additional Tests: i-pH, TAN Auto, TAN Man)

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 CA J8H 2C5
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 T: (450)526-4001
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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.