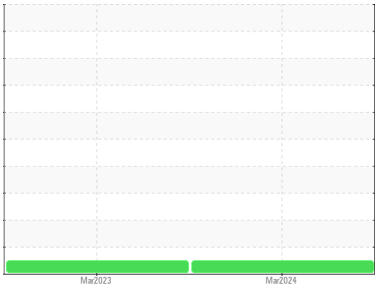
OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL

Area
WAJAX
Machine Id
DETROIT GD10689B
Component
Diesel Engine
Fluid
DIESEL ENGINE OIL SAE 40 (--- GAL)

DIAGNOSIS

Recommendation
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
L`état de l`huile est acceptable pour la durée de service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number		Client Info		**WA0020970**	GD0005500	---
Sample Date		Client Info		**13 Mar 2024**	22 Mar 2023	---
Machine Age	hrs	Client Info		**1763**	1739	---
Oil Age	hrs	Client Info		**0**	0	---
Oil Changed		Client Info		**Changed**	Changed	---
Sample Status				**NORMAL**	NORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	**<1.0**	<1.0	---
Water		WC Method	>0.2	**NEG**	NEG	---
Glycol		WC Method		**NEG**	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>200	**1**	2	---
Chromium	ppm	ASTM D5185(m)	>20	**0**	0	---
Nickel	ppm	ASTM D5185(m)	>2	**0**	<1	---
Titanium	ppm	ASTM D5185(m)	>2	**0**	0	---
Silver	ppm	ASTM D5185(m)	>2	**0**	0	---
Aluminum	ppm	ASTM D5185(m)	>30	**0**	<1	---
Lead	ppm	ASTM D5185(m)	>30	**0**	<1	---
Copper	ppm	ASTM D5185(m)	>30	**1**	1	---
Tin	ppm	ASTM D5185(m)	>15	**0**	<1	---
Antimony	ppm	ASTM D5185(m)		**0**	<1	---
Vanadium	ppm	ASTM D5185(m)		**0**	0	---
Beryllium	ppm	ASTM D5185(m)		**0**	0	---
Cadmium	ppm	ASTM D5185(m)		**0**	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	250	**0**	2	---
Barium	ppm	ASTM D5185(m)	10	**0**	0	---
Molybdenum	ppm	ASTM D5185(m)	100	**44**	47	---
Manganese	ppm	ASTM D5185(m)		**0**	<1	---
Magnesium	ppm	ASTM D5185(m)	450	**719**	754	---
Calcium	ppm	ASTM D5185(m)	3000	**772**	867	---
Phosphorus	ppm	ASTM D5185(m)	1150	**753**	867	---
Zinc	ppm	ASTM D5185(m)	1350	**866**	927	---
Sulfur	ppm	ASTM D5185(m)	4250	**2472**	2744	---
Lithium	ppm	ASTM D5185(m)		**<1**	<1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>30	**2**	5	---
Sodium	ppm	ASTM D5185(m)	>216	**1**	2	---
Potassium	ppm	ASTM D5185(m)	>20	**<1**	0	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>0.8	**0**	0	---
Nitration	Abs/cm	ASTM D7624*	>20	**5.5**	4.0	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	**15.9**	15.7	---

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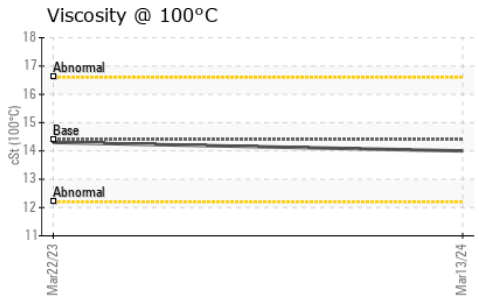
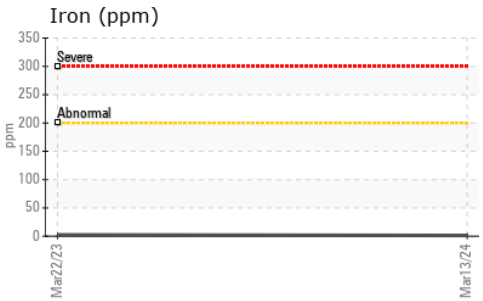


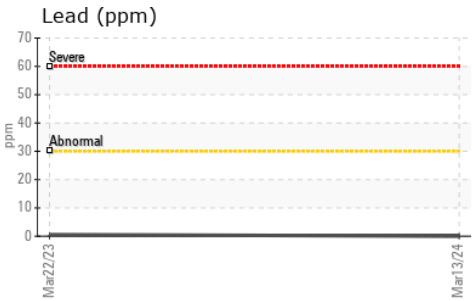
FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	**11.1**	6.5	---

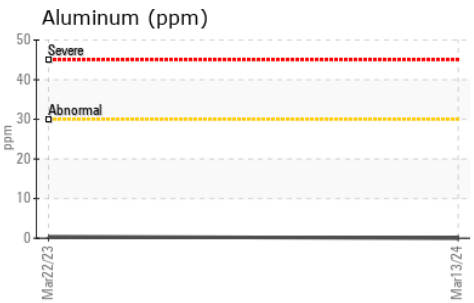
VISUAL		method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	**NEG**	NEG	---
Free Water	scalar	Visual*		**NEG**	NEG	---

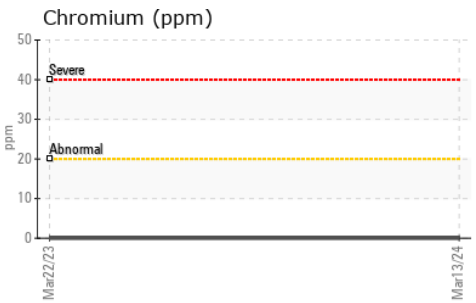
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	**14.0**	14.3	---

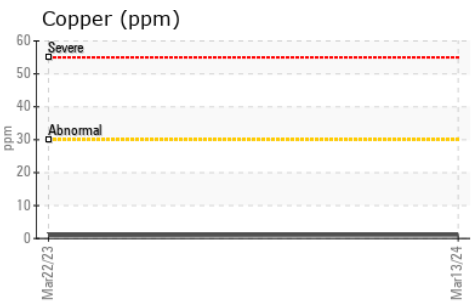
GRAPHS

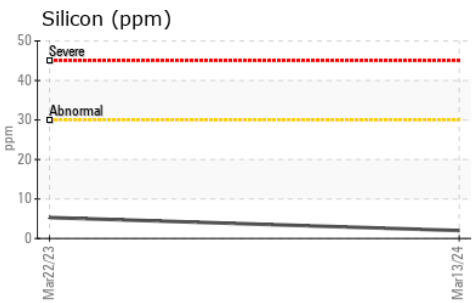


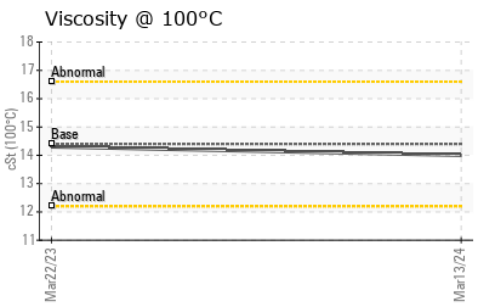


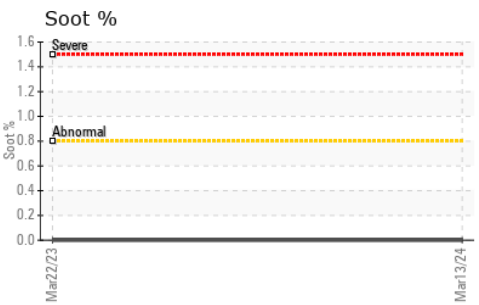












ISO 17025:2017 Accredited Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0020970
Lab Number : 02623254
Unique Number : 5748373
Test Package : MOB 1

Received : 20 Mar 2024
Tested : 20 Mar 2024
Diagnosed : 20 Mar 2024 - Kevin Marson

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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