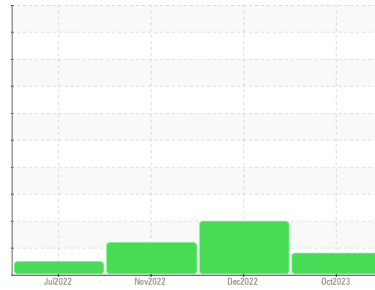




OIL ANALYSIS REPORT

Sample Rating Trend



FUEL



Area
BELL [6100108846]

Machine Id
BELL DG 2

Component
Diesel Engine

Fluid
APRIL SUPERFLO GOLD K 15W40 (--- GAL)

DIAGNOSIS

Recommendation

Aucune mesure corrective n'est recommandée pour l'instant. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Wear

Les taux de métaux sont typiques pour la période de rodage d'un nouveau composant.

Contamination

Légère dilution de carburant dans l'huile. Aucun autre contaminant n'a été détecté 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	GD0005537	GD0005486	GD0005745
Sample Date	Client Info	16 Oct 2023	26 Dec 2022	02 Nov 2022
Machine Age	hrs	521	1038	273
Oil Age	hrs	0	0	0
Oil Changed	Client Info	Not Chngd	Not Chngd	Not Chngd
Sample Status		MARGINAL	ABNORMAL	ABNORMAL

CONTAMINATION

method	limit/base	current	history1	history2
Glycol	WC Method	NEG	0.0	NEG

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m) >100	2	2	1
Chromium	ppm	ASTM D5185(m) >20	0	0	0
Nickel	ppm	ASTM D5185(m) >4	0	<1	0
Titanium	ppm	ASTM D5185(m)	0	<1	4
Silver	ppm	ASTM D5185(m) >3	<1	0	0
Aluminum	ppm	ASTM D5185(m) >20	<1	1	<1
Lead	ppm	ASTM D5185(m) >40	2	<1	<1
Copper	ppm	ASTM D5185(m) >330	2	3	1
Tin	ppm	ASTM D5185(m) >15	<1	<1	<1
Antimony	ppm	ASTM D5185(m)	0	0	0
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) 34	<1	63	1
Barium	ppm	ASTM D5185(m) 0	0	0	0
Molybdenum	ppm	ASTM D5185(m) 70	59	38	52
Manganese	ppm	ASTM D5185(m)	0	<1	<1
Magnesium	ppm	ASTM D5185(m) 640	991	497	870
Calcium	ppm	ASTM D5185(m) 1410	1093	1734	1018
Phosphorus	ppm	ASTM D5185(m) 1020	1071	970	1033
Zinc	ppm	ASTM D5185(m) 1170	1260	1036	1112
Sulfur	ppm	ASTM D5185(m) 2930	2769	2532	2698
Lithium	ppm	ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m) >25	3	6	2
Sodium	ppm	ASTM D5185(m)	2	3	2
Potassium	ppm	ASTM D5185(m) >20	<1	0	<1
Fuel	%	ASTM D7593* >5	▲ 3.6	1	▲ 7.4

INFRA-RED

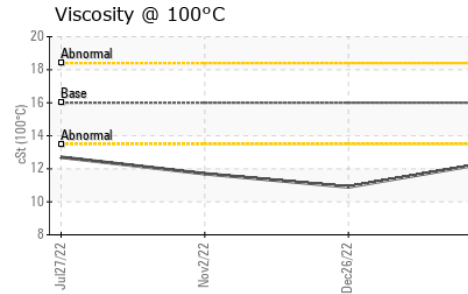
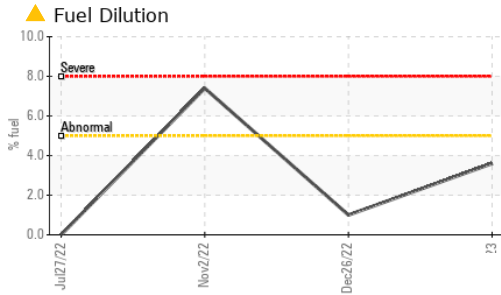
method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844* >3	0	0	0
Nitration	Abs/cm	ASTM D7624* >20	5.2	5.9	5.5
Sulfation	Abs/.1mm	ASTM D7415* >30	17.7	23.5	18.5

FLUID DEGRADATION

method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	ASTM D7414* >25	13.2	20.2	13.0



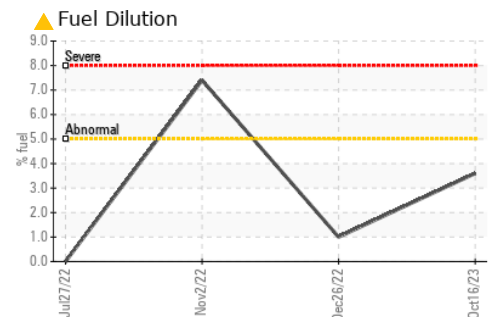
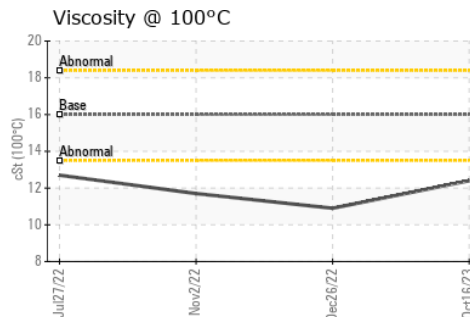
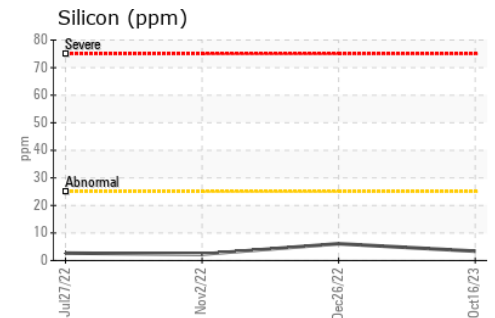
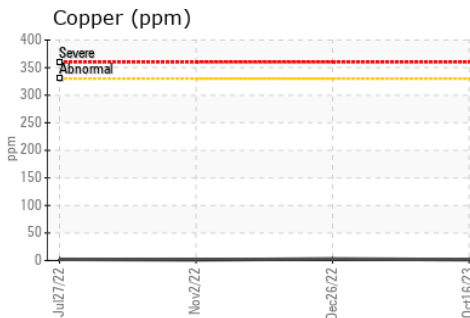
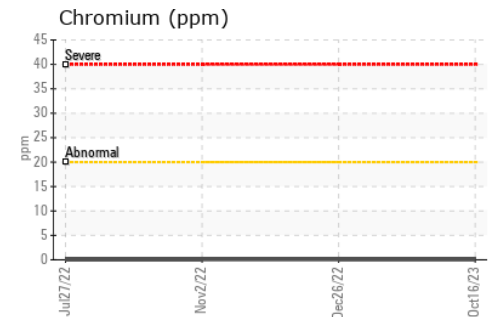
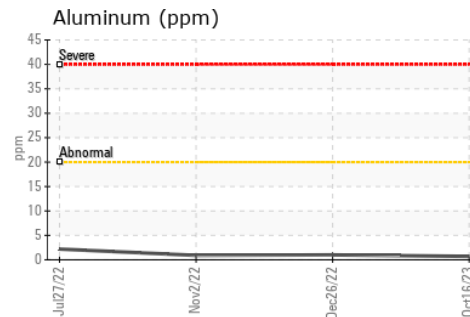
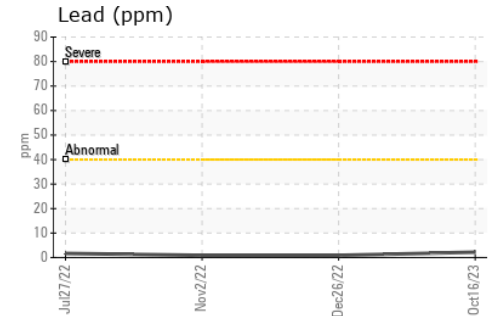
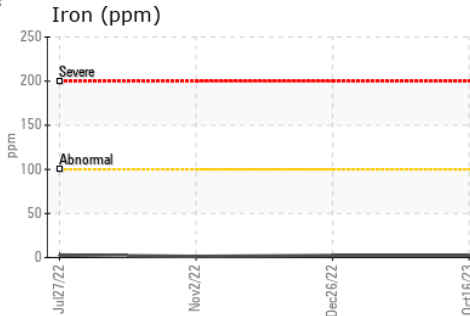
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	NEG	▲ .2%
Free Water	scalar	Visual*		NEG	▲ 1%

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	16.0	12.4	▲ 10.9 ▲ 11.7

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GD0005537 **Received** : 24 Oct 2023
Lab Number : 02591310 **Diagnosed** : 25 Oct 2023
Unique Number : 5668389 **Diagnostician** : Wes Davis
Test Package : MOB 1 (Additional Tests: FUELDILUTION, PercentFuel)

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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.