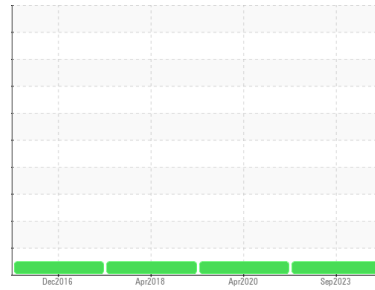




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area

[182680]

Machine Id

DETROIT GD11144BCI

Component

Diesel Engine

Fluid

APRIL SUPERFLO RX1 SERIE 1 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		GD0005642	GD0004345	GD0002947
Sample Date	Client Info		12 Sep 2023	22 Apr 2020	17 Apr 2018
Machine Age	hrs	Client Info	1119	904	819
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		Not Chngd	N/A	Not Chngd
Sample Status			NORMAL	NORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>3.0	<1.0	<1.0	<1.0

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >200	17	28	19
Chromium	ppm	ASTM D5185(m) >20	<1	1	<1
Nickel	ppm	ASTM D5185(m) >2	0	<1	<1
Titanium	ppm	ASTM D5185(m) >2	0	<1	<1
Silver	ppm	ASTM D5185(m) >2	<1	0	0
Aluminum	ppm	ASTM D5185(m) >30	<1	<1	<1
Lead	ppm	ASTM D5185(m) >30	4	5	4
Copper	ppm	ASTM D5185(m) >30	2	2	2
Tin	ppm	ASTM D5185(m) >15	6	13	11
Antimony	ppm	ASTM D5185(m)	0	<1	3
Vanadium	ppm	ASTM D5185(m)	0	0	0
Beryllium	ppm	ASTM D5185(m)	0	0	0
Cadmium	ppm	ASTM D5185(m)	0	<1	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	3	5	5
Barium	ppm	ASTM D5185(m)	<1	<1	0
Molybdenum	ppm	ASTM D5185(m)	40	2	2
Manganese	ppm	ASTM D5185(m)	0	<1	<1
Magnesium	ppm	ASTM D5185(m)	676	234	214
Calcium	ppm	ASTM D5185(m) 1650	1071	1936	1821
Phosphorus	ppm	ASTM D5185(m) 1200	833	901	858
Zinc	ppm	ASTM D5185(m) 1300	1000	1078	1004
Sulfur	ppm	ASTM D5185(m)	3725	8197	7507
Lithium	ppm	ASTM D5185(m)	<1	<1	<1

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >30	9	19	17
Sodium	ppm	ASTM D5185(m)	4	6	7
Potassium	ppm	ASTM D5185(m) >20	10	<1	<1
Glycol	%	ASTM D7922*	0.0	NEG	NEG

INFRA-RED

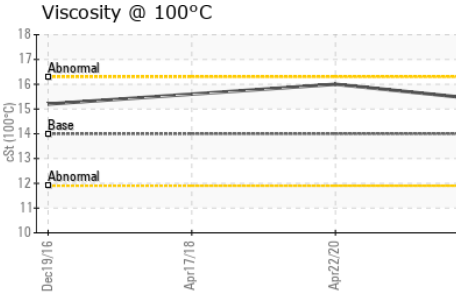
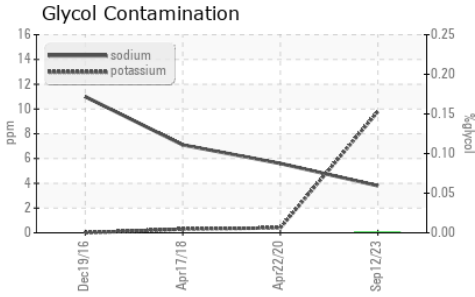
	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844* >3	0.1	0.1	0.1
Nitration	Abs/cm	ASTM D7624* >20	7.6	7.4	5.9
Sulfation	Abs/.1mm	ASTM D7415* >30	17.2	20.0	15.3

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414* >25	13.2	10.3	9.3

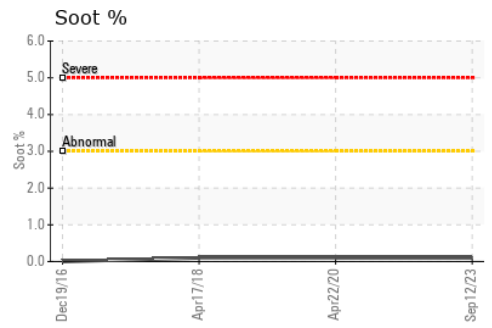
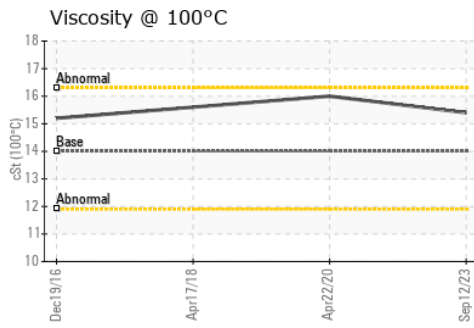
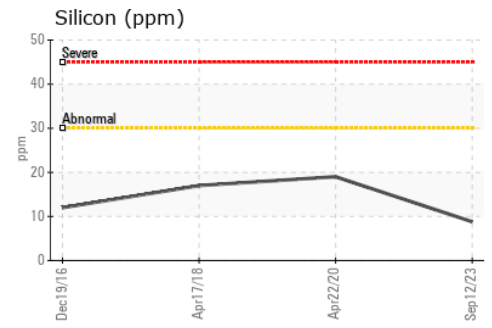
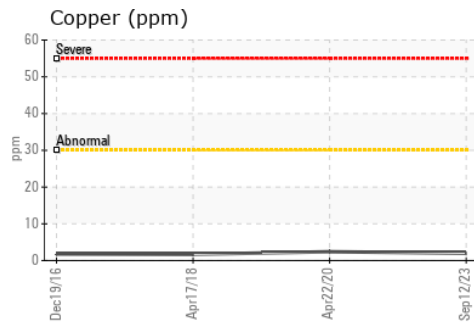
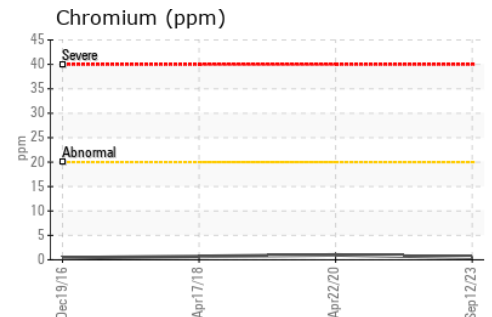
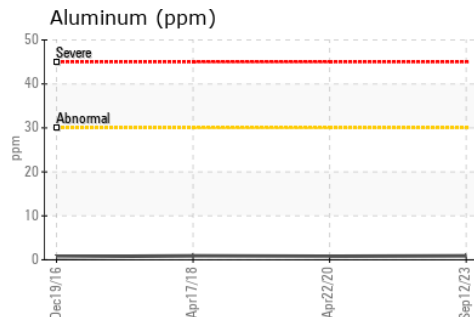
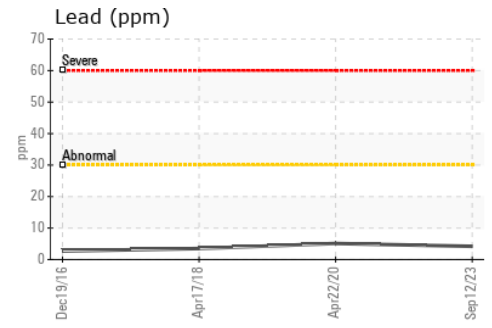
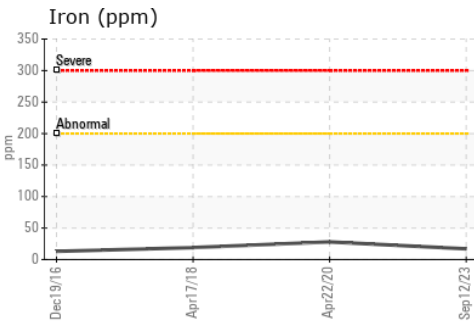


OIL ANALYSIS REPORT



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	15.4	16.0

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GD0005642
Lab Number : 02588172
Unique Number : 5657238
Test Package : MOB 1 (Additional Tests: Glycol)

Generatrice Drummond
 243 rue des ARTISANS
 SAINT-GERMAIN-DE-GRANTHAM, QC
 CA J0C 1K0
 Contact: Valerie Poirier
 poiirivalerie@generatricedrummond.com
 T: (819)398-6811
 F: (819)398-7022

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.