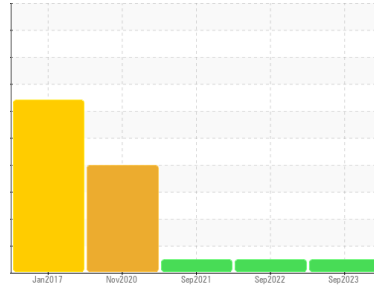


Area
DOUANE MORSE`S LINE [205868]
Machine Id
GM GD10589L
Component
Diesel Engine
Fluid
APRIL SUPERFLO GOLD K 10W30 (--- GAL)



DIAGNOSIS

Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. 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

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

Fluid Condition

Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. L'état de l'huile est acceptable pour la durée de service.

SAMPLE INFORMATION method limit/base current history1 history2

Sample Number	Client Info	WA0019874	GD0005754	GD0005162
Sample Date	Client Info	27 Sep 2023	26 Sep 2022	21 Sep 2021
Machine Age	hrs	737	632	546
Oil Age	hrs	0	0	0
Oil Changed	Client Info	Changed	Changed	Changed
Sample Status		NORMAL	NORMAL	NORMAL

CONTAMINATION method limit/base current history1 history2

Fuel	WC Method	>5	<1.0	<1.0	<1.0
------	-----------	----	----------------	------	------

WEAR METALS method limit/base current history1 history2

Iron	ppm	ASTM D5185(m)	>100	13	9	7
Chromium	ppm	ASTM D5185(m)	>20	2	1	<1
Nickel	ppm	ASTM D5185(m)	>4	3	1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>3	<1	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	2	1	<1
Lead	ppm	ASTM D5185(m)	>40	<1	1	<1
Copper	ppm	ASTM D5185(m)	>330	1	1	1
Tin	ppm	ASTM D5185(m)	>15	<1	<1	<1
Antimony	ppm	ASTM D5185(m)		0	<1	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)	0	15	22	47
Barium	ppm	ASTM D5185(m)	0	<1	0	0
Molybdenum	ppm	ASTM D5185(m)	70	76	71	62
Manganese	ppm	ASTM D5185(m)		0	<1	<1
Magnesium	ppm	ASTM D5185(m)	1000	471	489	451
Calcium	ppm	ASTM D5185(m)	1050	1193	1222	1219
Phosphorus	ppm	ASTM D5185(m)	1150	689	752	684
Zinc	ppm	ASTM D5185(m)	1270	792	806	770
Sulfur	ppm	ASTM D5185(m)	3000	1934	2090	2137
Lithium	ppm	ASTM D5185(m)		<1	<1	<1

CONTAMINANTS method limit/base current history1 history2

Silicon	ppm	ASTM D5185(m)	>25	25	22	19
Sodium	ppm	ASTM D5185(m)		31	37	68
Potassium	ppm	ASTM D5185(m)	>20	8	4	3
Glycol	%	ASTM D7922*		0.0	NEG	NEG

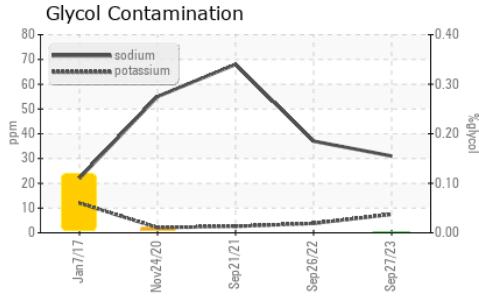
INFRA-RED method limit/base current history1 history2

Soot %	%	ASTM D7844*	>3	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	8.8	7.8	6.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	17.1	16.5	15.8

FLUID DEGRADATION method limit/base current history1 history2

Oxidation	Abs/.1mm	ASTM D7414*	>25	8.9	9.1	8.3
-----------	----------	-------------	-----	------------	-----	-----

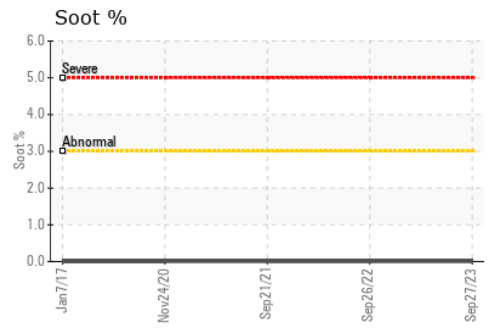
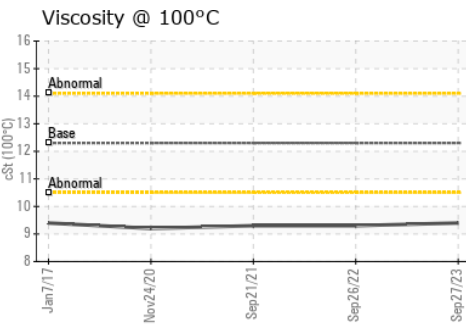
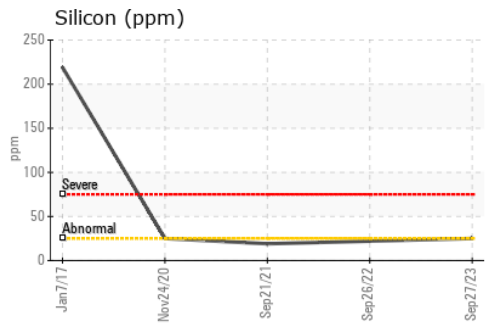
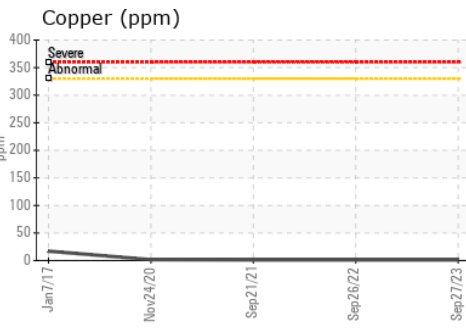
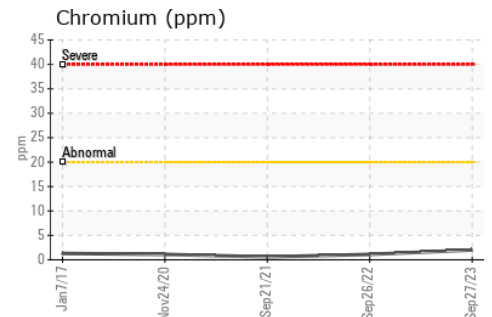
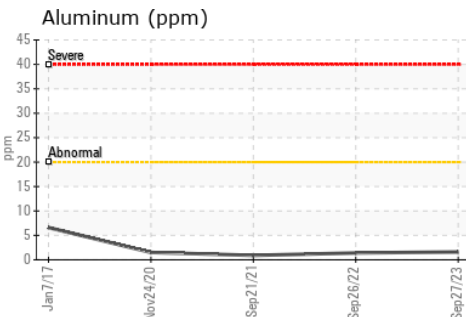
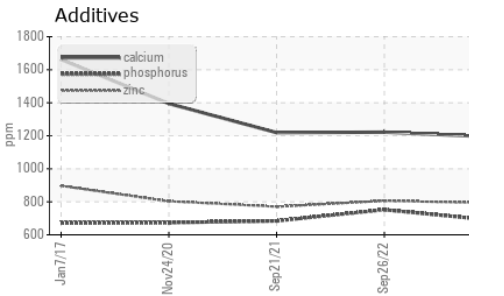
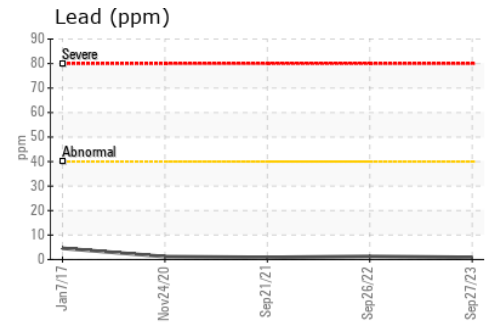
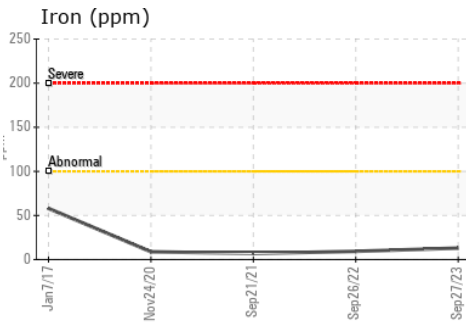
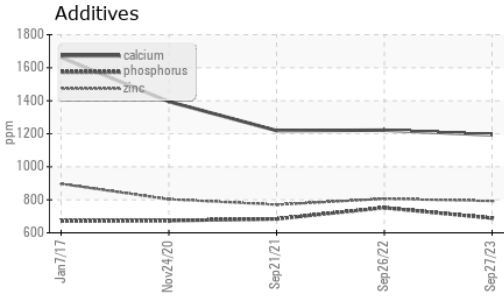
OIL ANALYSIS REPORT



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)	12.3	9.4	9.3

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0019874
Lab Number : 02588176
Unique Number : 5657242
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.