



OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area

GARNISON OF MONTREAL [VQ6029]

Machine Id

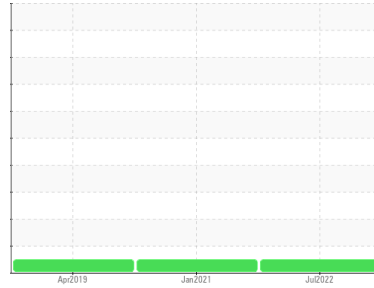
GD4100

Component

Diesel Engine

Fluid

DIESEL ENGINE OIL SAE 15W40 (--- LTR)



DIAGNOSIS

Recommendation

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin de surveiller la condition. Veuillez préciser la marque et le modèle du composant lors du prochain échantillon.

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

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

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	GD0005528	GD0004600	GD0003285
Sample Date	Client Info	21 Jul 2022	26 Jan 2021	23 Apr 2019
Machine Age	hrs	564	552	503
Oil Age	hrs	0	0	0
Oil Changed	Client Info	Changed	Not Changd	Changed
Sample Status		NORMAL	NORMAL	NORMAL

CONTAMINATION

method	limit/base	current	history1	history2
Fuel	WC Method >5	<1.0	<1.0	<1.0
Water	WC Method >0.2	NEG	NEG	NEG
Glycol	WC Method	NEG	NEG	NEG

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m) >100	5	3	8
Chromium	ppm ASTM D5185(m) >20	0	0	0
Nickel	ppm ASTM D5185(m) >4	0	<1	<1
Titanium	ppm ASTM D5185(m)	0	0	0
Silver	ppm ASTM D5185(m) >3	0	<1	0
Aluminum	ppm ASTM D5185(m) >20	<1	<1	2
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	0
Antimony	ppm ASTM D5185(m)	0	0	<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) 250	1	1	44
Barium	ppm ASTM D5185(m) 10	0	0	<1
Molybdenum	ppm ASTM D5185(m) 100	58	57	<1
Manganese	ppm ASTM D5185(m)	<1	<1	<1
Magnesium	ppm ASTM D5185(m) 450	988	972	9
Calcium	ppm ASTM D5185(m) 3000	1085	1014	2300
Phosphorus	ppm ASTM D5185(m) 1150	1040	990	989
Zinc	ppm ASTM D5185(m) 1350	1226	1227	1161
Sulfur	ppm ASTM D5185(m) 4250	2741	2740	3555
Lithium	ppm ASTM D5185(m)	<1	<1	0

CONTAMINANTS

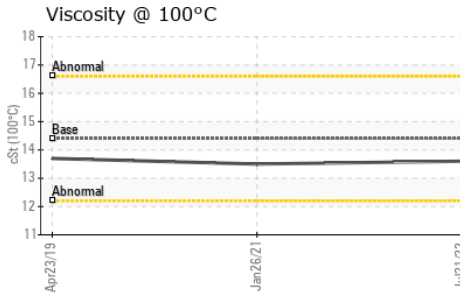
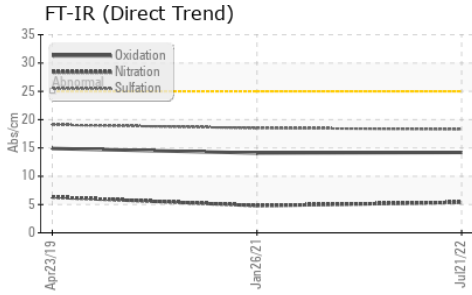
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >25	12	4	2
Sodium	ppm ASTM D5185(m) >158	2	3	4
Potassium	ppm ASTM D5185(m) >20	<1	<1	<1

INFRA-RED

method	limit/base	current	history1	history2
Soot %	% ASTM D7844* >3	0	0	0
Nitration	Abs/cm ASTM D7624* >20	5.4	4.8	6.3
Sulfation	Abs./1mm ASTM D7415* >30	18.3	18.5	19.1



OIL ANALYSIS REPORT



FLUID DEGRADATION	method	limit/base	current	history1	history2
-------------------	--------	------------	---------	----------	----------

Oxidation	Abs./1mm	ASTM D7414*	>25	14.2	14.1	14.9
-----------	----------	-------------	-----	-------------	------	------

VISUAL	method	limit/base	current	history1	history2
--------	--------	------------	---------	----------	----------

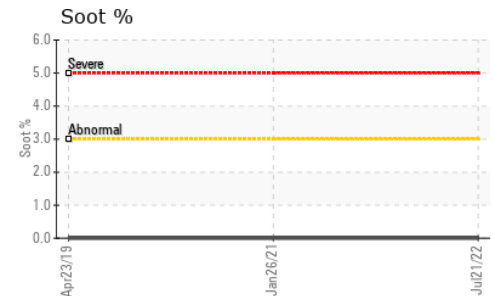
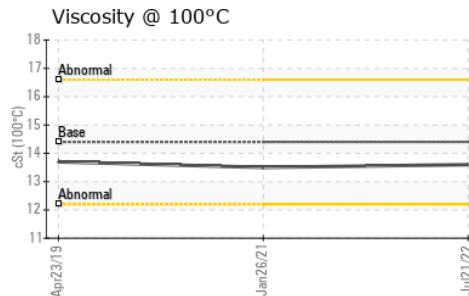
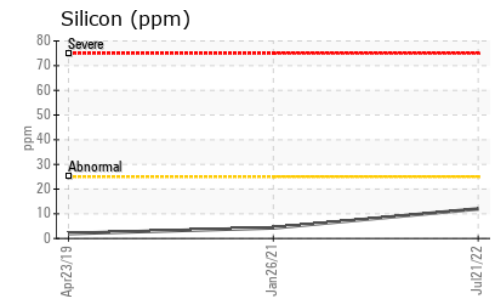
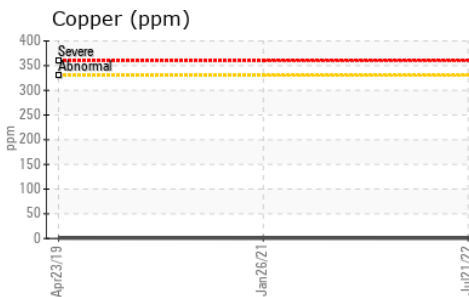
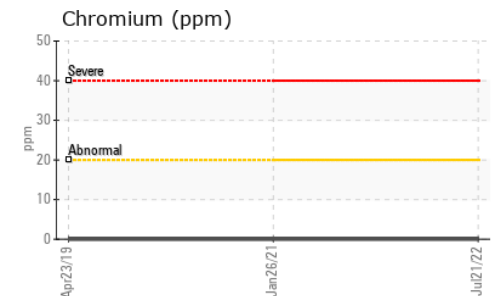
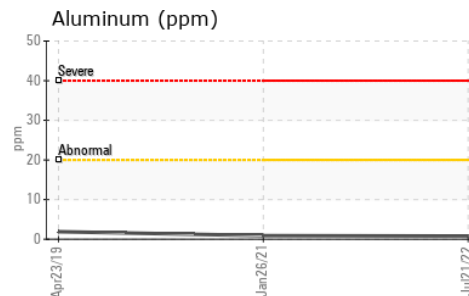
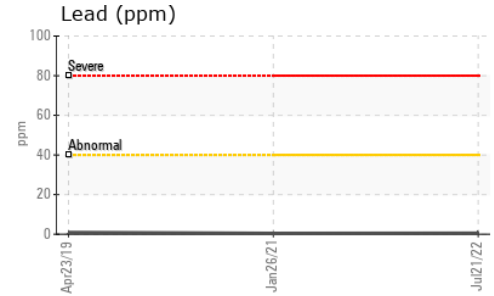
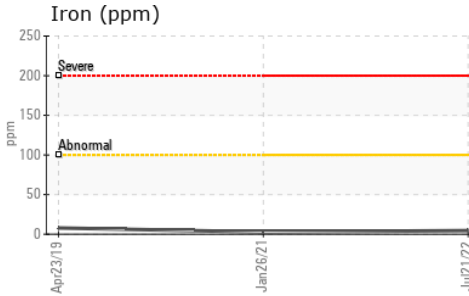
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	NEG
------------------	--------	---------	------	------------	-----	-----

Free Water	scalar	Visual*		NEG	NEG	NEG
------------	--------	---------	--	------------	-----	-----

FLUID PROPERTIES	method	limit/base	current	history1	history2
------------------	--------	------------	---------	----------	----------

Visc @ 100°C	cSt	ASTM D7279(m)	14.4	13.6	13.5	13.7
--------------	-----	---------------	------	-------------	------	------

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GD0005528
Lab Number : 02502313
Unique Number : 5435274
Test Package : MOB 1

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.