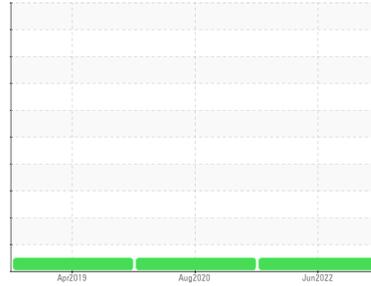




OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area

[VQ5992]

Machine Id

GD12164

Component

Diesel Engine

Fluid

DISEL ENGINE OIL SAE 15W40 (--- GAL)

DIAGNOSIS

Recommendation

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

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		GD0005335	GD0004276	GD0003284
Sample Date	Client Info		22 Jun 2022	27 Aug 2020	18 Apr 2019
Machine Age	hrs	Client Info	351	0	0
Oil Age	hrs	Client Info	0	0	1
Oil Changed	Client Info		N/A	N/A	Changed
Sample Status			NORMAL	NORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<1.0	<1.0	0.3
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	2	2	7
Chromium	ppm	ASTM D5185(m) >20	0	0	0
Nickel	ppm	ASTM D5185(m) >2	0	0	<1
Titanium	ppm	ASTM D5185(m) >2	0	<1	0
Silver	ppm	ASTM D5185(m) >2	0	<1	<1
Aluminum	ppm	ASTM D5185(m) >25	<1	<1	2
Lead	ppm	ASTM D5185(m) >40	<1	0	1
Copper	ppm	ASTM D5185(m) >330	1	2	8
Tin	ppm	ASTM D5185(m) >15	<1	<1	0
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	<1

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 250	3	5	47
Barium	ppm	ASTM D5185(m) 10	0	<1	<1
Molybdenum	ppm	ASTM D5185(m) 100	61	59	5
Manganese	ppm	ASTM D5185(m)	<1	<1	<1
Magnesium	ppm	ASTM D5185(m) 450	987	964	95
Calcium	ppm	ASTM D5185(m) 3000	1118	1189	2221
Phosphorus	ppm	ASTM D5185(m) 1150	1086	1114	1012
Zinc	ppm	ASTM D5185(m) 1350	1219	1272	1169
Sulfur	ppm	ASTM D5185(m) 4250	2874	2945	3536
Lithium	ppm	ASTM D5185(m)	<1	<1	0

CONTAMINANTS

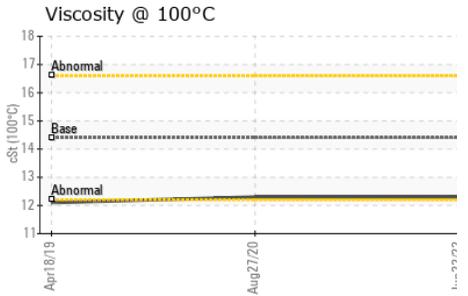
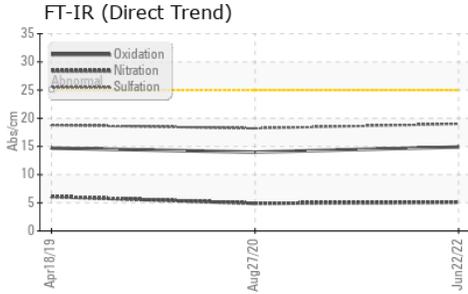
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	3	4	2
Sodium	ppm	ASTM D5185(m) >158	1	<1	5
Potassium	ppm	ASTM D5185(m) >20	1	<1	<1

INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844* >3	0	0	0
Nitration	Abs/cm	ASTM D7624* >20	5.1	4.9	6.1
Sulfation	Abs./1mm	ASTM D7415* >30	19.0	18.2	18.8



OIL ANALYSIS REPORT



FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	14.0	14.7

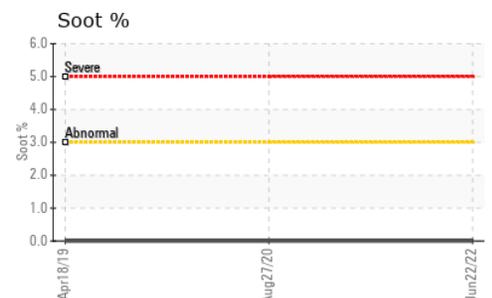
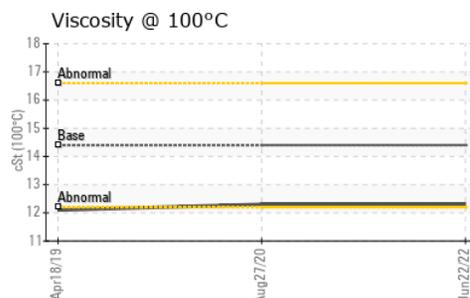
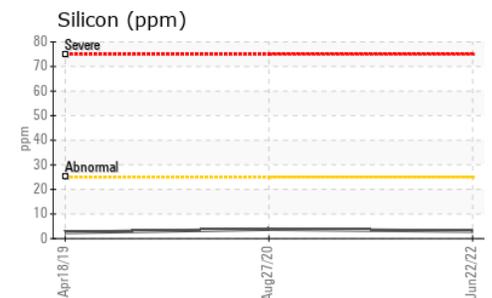
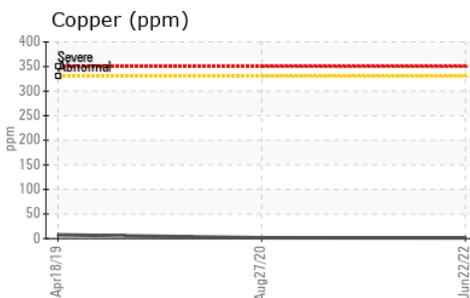
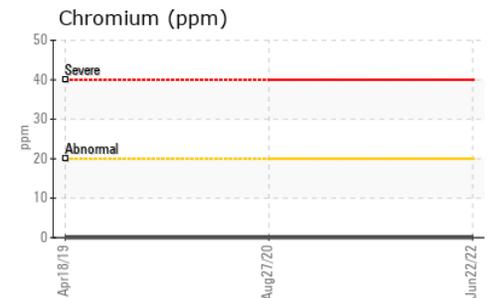
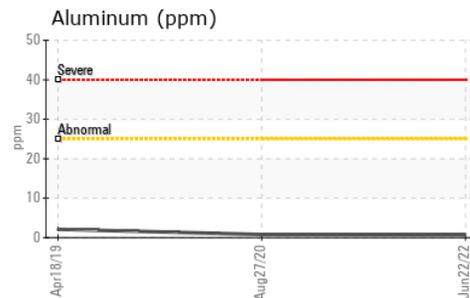
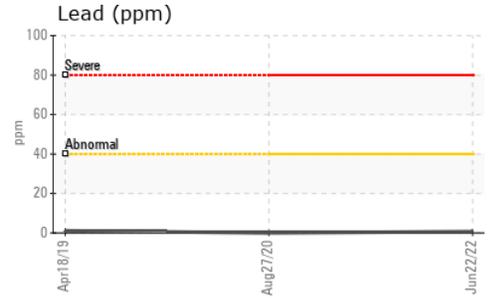
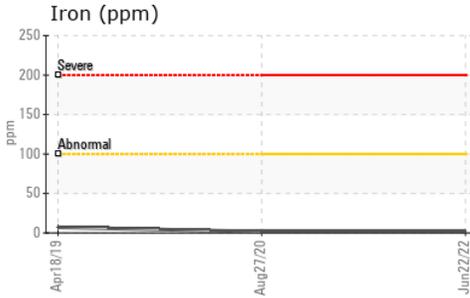
VISUAL

	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	12.3	12.1

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GD0005335
Lab Number : 02500781
Unique Number : 5425741
Test Package : MOB 1

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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.