

OIL ANALYSIS REPORT

Sample Rating Trend

FUEL

Area
[6100146736]
Machine Id
3170122007

Component
Diesel Engine

Fluid
DIESEL 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 d'usure de tous les composants sont normaux.

▲ Contamination

Légère dilution de carburant dans l'huile.

▲ Fluid Condition

Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l'huile. Il y a du carburant dans l'huile, ce qui réduit la viscosité. L'état de l'huile permet d'en prolonger l'utilisation.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WA0019938	---	---
Sample Date	Client Info	01 Jun 2023	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ABNORMAL	---	---

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm	ASTM D5185(m) >100	14	---	---
Chromium ppm	ASTM D5185(m) >20	0	---	---
Nickel ppm	ASTM D5185(m) >4	0	---	---
Titanium ppm	ASTM D5185(m)	<1	---	---
Silver ppm	ASTM D5185(m) >3	2	---	---
Aluminum ppm	ASTM D5185(m) >20	2	---	---
Lead ppm	ASTM D5185(m) >40	<1	---	---
Copper ppm	ASTM D5185(m) >330	4	---	---
Tin ppm	ASTM D5185(m) >15	0	---	---
Antimony ppm	ASTM D5185(m)	0	---	---
Vanadium ppm	ASTM D5185(m)	0	---	---
Beryllium ppm	ASTM D5185(m)	0	---	---
Cadmium ppm	ASTM D5185(m)	0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron ppm	ASTM D5185(m) 250	5	---	---
Barium ppm	ASTM D5185(m) 10	0	---	---
Molybdenum ppm	ASTM D5185(m) 100	60	---	---
Manganese ppm	ASTM D5185(m)	<1	---	---
Magnesium ppm	ASTM D5185(m) 450	952	---	---
Calcium ppm	ASTM D5185(m) 3000	1050	---	---
Phosphorus ppm	ASTM D5185(m) 1150	1069	---	---
Zinc ppm	ASTM D5185(m) 1350	1128	---	---
Sulfur ppm	ASTM D5185(m) 4250	2689	---	---
Lithium ppm	ASTM D5185(m)	<1	---	---

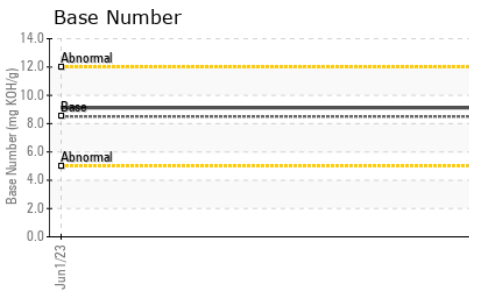
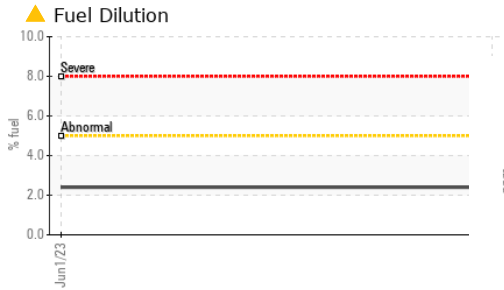
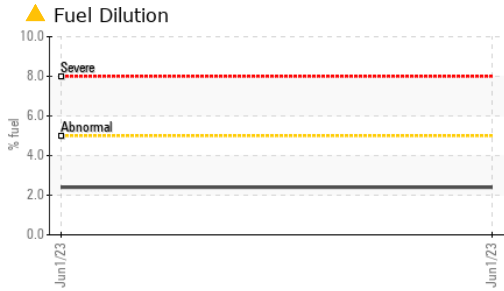
CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185(m) >25	6	---	---
Sodium ppm	ASTM D5185(m) >158	2	---	---
Potassium ppm	ASTM D5185(m) >20	<1	---	---
Fuel %	ASTM D7593* >5	▲ 2.4	---	---

INFRA-RED

method	limit/base	current	history1	history2
Soot %	ASTM D7844* >3	0	---	---
Nitration Abs/cm	ASTM D7624* >20	4.8	---	---
Sulfation Abs/.1mm	ASTM D7415* >30	17.0	---	---

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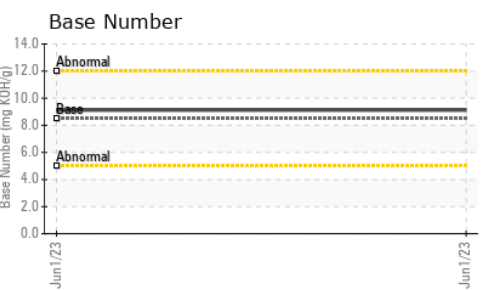
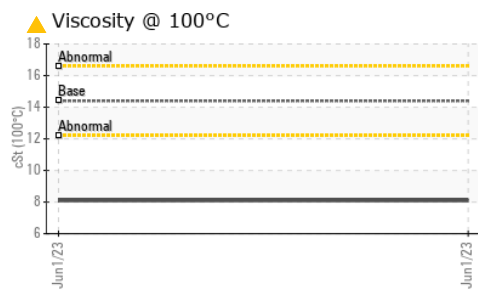
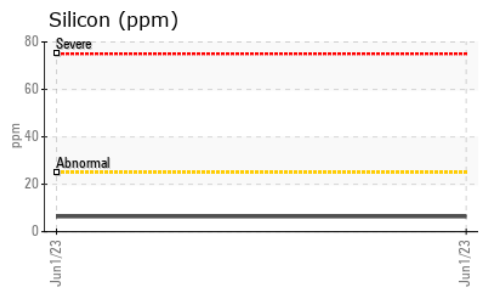
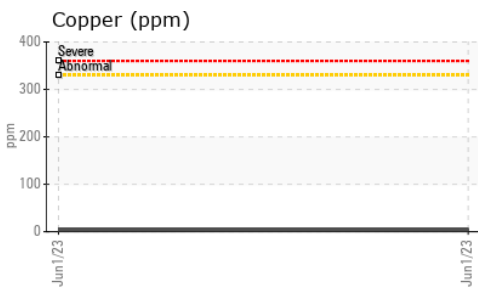
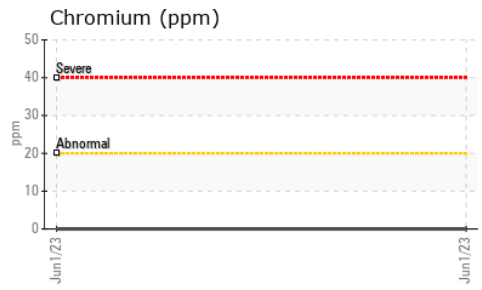
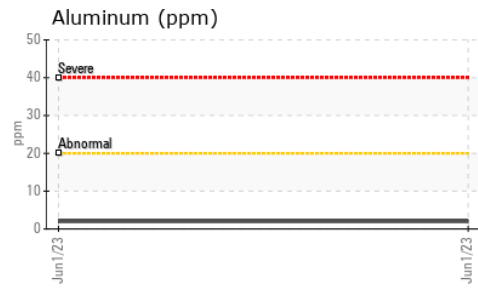
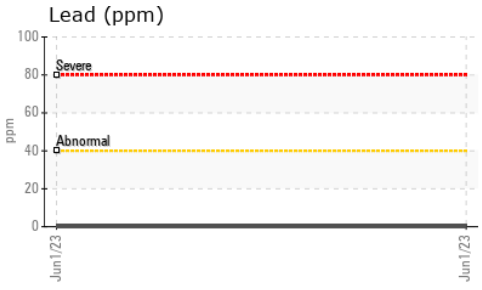
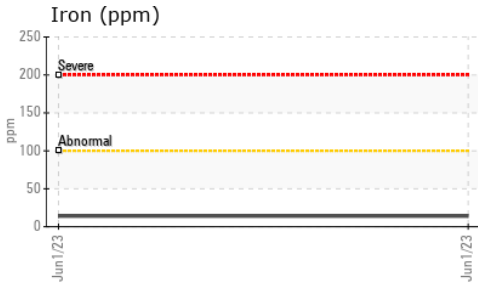


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	12.9	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*	8.5	9.12	---	---

VISUAL		method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	NEG	---	---
Free Water	scalar	Visual*		NEG	---	---

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	▲ 8.1	---	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0019938 **Received** : 08 Jun 2023
Lab Number : **02562825** **Diagnosed** : 09 Jun 2023
Unique Number : 5591866 **Diagnostician** : Wes Davis
Test Package : MOB 2 (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.