

OIL ANALYSIS REPORT

Sample Rating Trend

FUEL

Area
[228943]
Machine Id
GD8407

Component
Diesel Engine
Fluid

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



DIAGNOSIS

Recommendation

Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

Wear

Les taux de métaux sont typiques pour la période de rodage d'un nouveau composant.

Contamination

Quantité modérée de carburant dans l'huile. Les tests confirment la présence de carburant dans l'huile.

Fluid Condition

La viscosité de l'échantillon se situe dans la portée de l'SAE 30; nous vous conseillons de vérifier. l'huile ne peut plus être utilisée en raison de la présence de contaminants.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WA0020584	---	---
Sample Date	Client Info		21 Nov 2023	---	---
Machine Age	hrs	Client Info	512	---	---
Oil Age	hrs	Client Info	85	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			ABNORMAL	---	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	NEG	---	---
Glycol	WC Method		NEG	---	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >100	2	---	---
Chromium	ppm	ASTM D5185(m) >20	0	---	---
Nickel	ppm	ASTM D5185(m) >4	0	---	---
Titanium	ppm	ASTM D5185(m)	0	---	---
Silver	ppm	ASTM D5185(m) >3	0	---	---
Aluminum	ppm	ASTM D5185(m) >20	2	---	---
Lead	ppm	ASTM D5185(m) >40	5	---	---
Copper	ppm	ASTM D5185(m) >330	103	---	---
Tin	ppm	ASTM D5185(m) >15	<1	---	---
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	256	---	---
Barium	ppm	ASTM D5185(m) 10	0	---	---
Molybdenum	ppm	ASTM D5185(m) 100	67	---	---
Manganese	ppm	ASTM D5185(m)	0	---	---
Magnesium	ppm	ASTM D5185(m) 450	550	---	---
Calcium	ppm	ASTM D5185(m) 3000	1127	---	---
Phosphorus	ppm	ASTM D5185(m) 1150	917	---	---
Zinc	ppm	ASTM D5185(m) 1350	1064	---	---
Sulfur	ppm	ASTM D5185(m) 4250	2597	---	---
Lithium	ppm	ASTM D5185(m)	<1	---	---

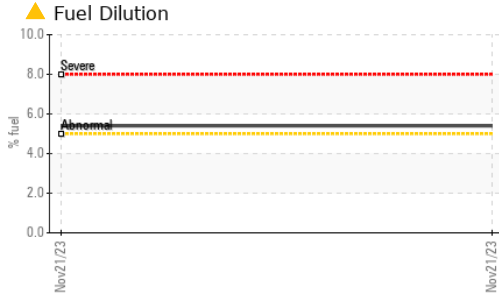
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	3	---	---
Sodium	ppm	ASTM D5185(m) >158	1	---	---
Potassium	ppm	ASTM D5185(m) >20	2	---	---
Fuel	%	ASTM D7593* >5	▲ 5.4	---	---

INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844* >3	0	---	---
Nitration	Abs/cm	ASTM D7624* >20	4.7	---	---
Sulfation	Abs./1mm	ASTM D7415* >30	18.7	---	---

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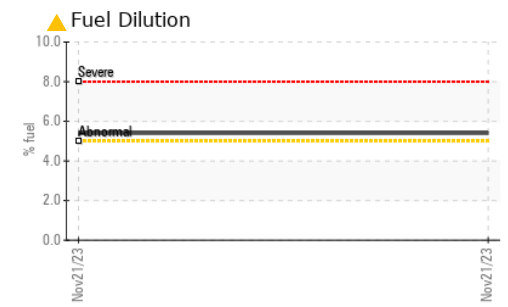
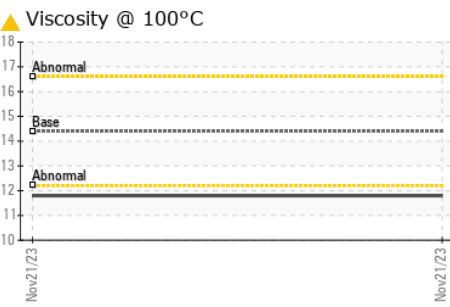
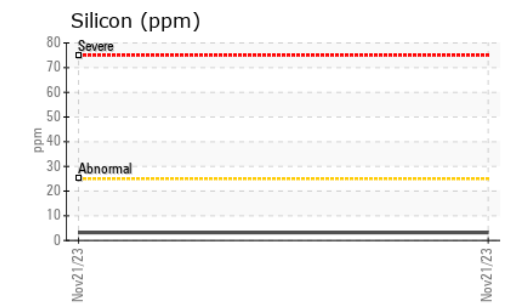
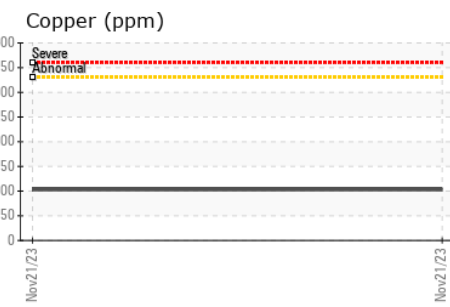
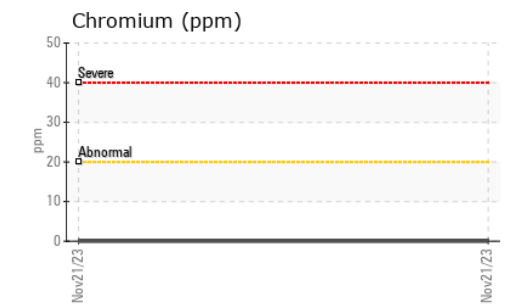
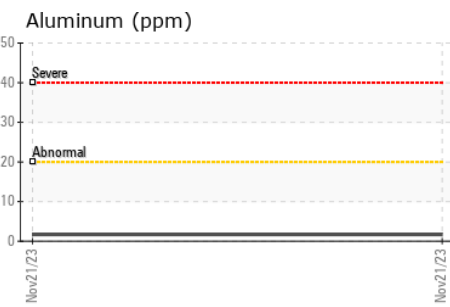
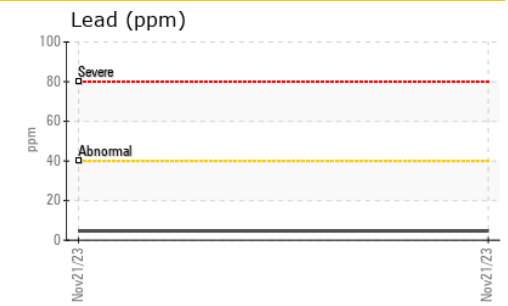
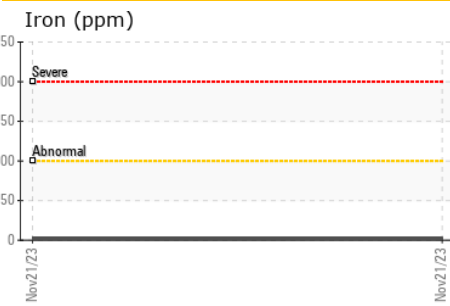
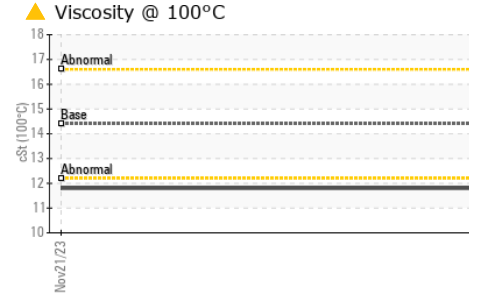


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	12.8	---	---

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	▲ 11.8	---	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WA0020584 **Received** : 10 Jan 2024
Lab Number : **02607798** **Diagnosed** : 12 Jan 2024
Unique Number : 5708884 **Diagnostician** : Kevin Marson
Test Package : MOB 1 (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.