



OIL ANALYSIS REPORT

Sample Rating Trend

FUEL



Area
BELL
 Machine Id
CATERPILLAR 24Z02014
 Component
Diesel Engine
 Fluid
DIESEL ENGINE OIL SAE 30 (--- GAL)



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. Le fluide n'était pas spécifié, toutefois, une comparaison avec d'autres fluides indiquent que ce fluide est du (GENERIC) DIESEL ENGINE OIL SAE 30. Veuillez confirmer.

Wear

Les taux d'usure de tous les composants sont normaux.

Contamination

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

Fluid Condition

L'huile ne peut plus être utilisée en raison de la présence de contaminants.

SAMPLE INFORMATION

method	limit/base	current	history 1	history 2
Sample Number	Client Info	GD0005491	---	---
Sample Date	Client Info	18 May 2023	---	---
Machine Age	hrs Client Info	1834	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ABNORMAL	---	---

CONTAMINATION

method	limit/base	current	history 1	history 2
Glycol	WC Method	NEG	---	---

WEAR METALS

method	limit/base	current	history 1	history 2
Iron ppm	ASTM D5185(m) >100	5	---	---
Chromium ppm	ASTM D5185(m) >20	0	---	---
Nickel ppm	ASTM D5185(m) >2	0	---	---
Titanium ppm	ASTM D5185(m) >2	<1	---	---
Silver ppm	ASTM D5185(m) >2	0	---	---
Aluminum ppm	ASTM D5185(m) >25	<1	---	---
Lead ppm	ASTM D5185(m) >40	<1	---	---
Copper ppm	ASTM D5185(m) >330	1	---	---
Tin ppm	ASTM D5185(m) >15	<1	---	---
Antimony ppm	ASTM D5185(m)	<1	---	---
Vanadium ppm	ASTM D5185(m)	0	---	---
Beryllium ppm	ASTM D5185(m)	0	---	---
Cadmium ppm	ASTM D5185(m)	0	---	---

ADDITIVES

method	limit/base	current	history 1	history 2
Boron ppm	ASTM D5185(m) 250	49	---	---
Barium ppm	ASTM D5185(m) 10	0	---	---
Molybdenum ppm	ASTM D5185(m) 100	37	---	---
Manganese ppm	ASTM D5185(m)	<1	---	---
Magnesium ppm	ASTM D5185(m) 450	486	---	---
Calcium ppm	ASTM D5185(m) 3000	1673	---	---
Phosphorus ppm	ASTM D5185(m) 1150	923	---	---
Zinc ppm	ASTM D5185(m) 1350	985	---	---
Sulfur ppm	ASTM D5185(m) 4250	2335	---	---
Lithium ppm	ASTM D5185(m)	<1	---	---

CONTAMINANTS

method	limit/base	current	history 1	history 2
Silicon ppm	ASTM D5185(m) >25	4	---	---
Sodium ppm	ASTM D5185(m) >75	2	---	---
Potassium ppm	ASTM D5185(m) >20	0	---	---
Fuel %	ASTM D7593* >5	▲ 5.5	---	---

INFRA-RED

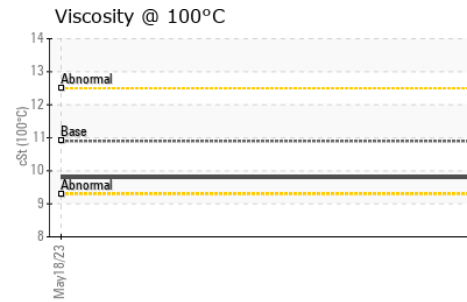
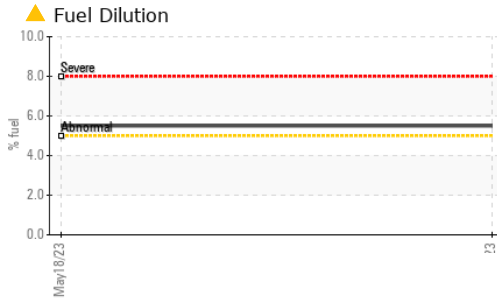
method	limit/base	current	history 1	history 2
Soot %	ASTM D7844* >3	0	---	---
Nitration Abs/cm	ASTM D7624* >20	7.0	---	---
Sulfation Abs./1mm	ASTM D7415* >30	21.7	---	---

FLUID DEGRADATION

method	limit/base	current	history 1	history 2
Oxidation Abs./1mm	ASTM D7414* >25	19.8	---	---



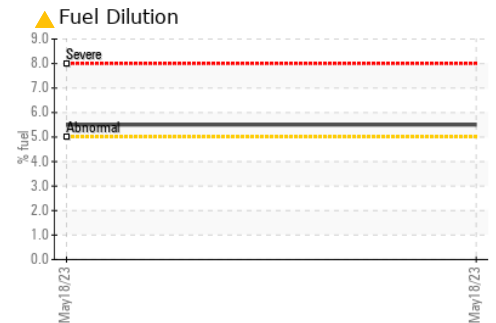
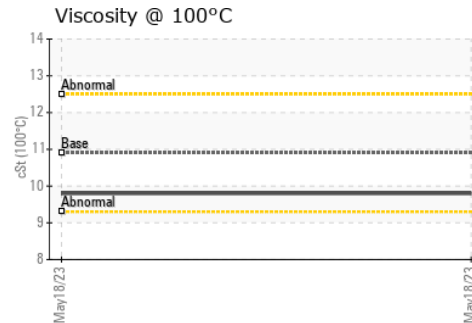
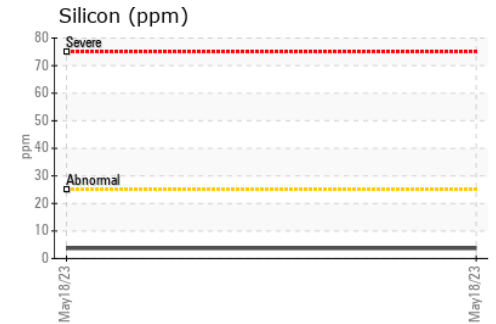
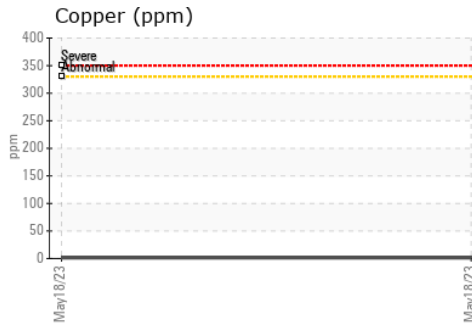
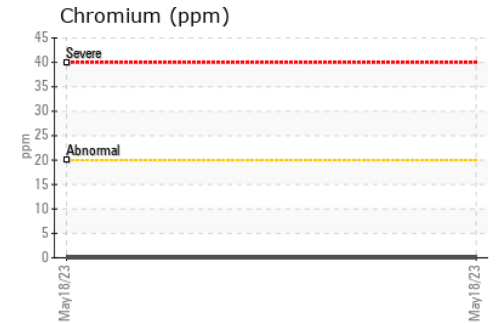
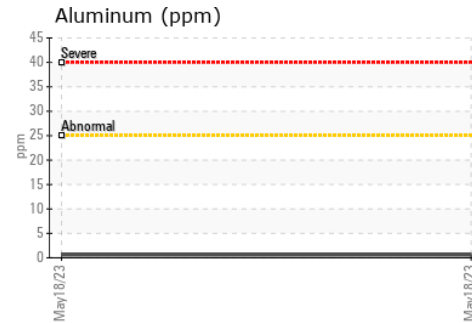
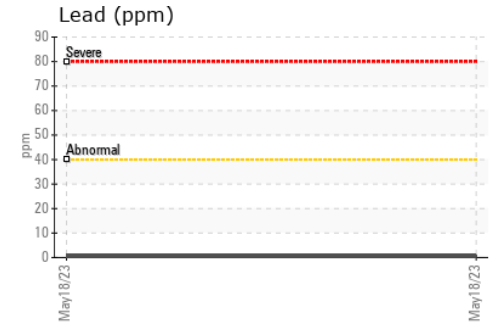
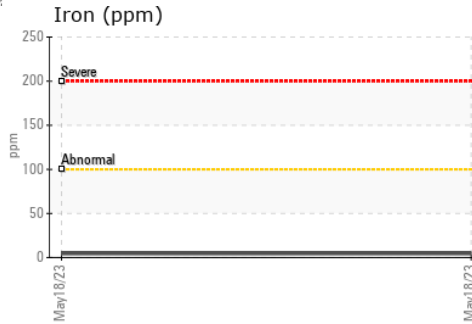
OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history 1	history 2
Emulsified Water	scalar	Visual*	>0.2	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history 1	history 2
Visc @ 100°C	cSt	ASTM D7279(m)	10.9	9.8	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GD0005491 **Received** : 02 Jun 2023
Lab Number : 02561340 **Diagnosed** : 02 Jun 2023
Unique Number : 5590381 **Diagnostician** : Wes Davis
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.