



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 1041
 Component
Diesel Engine
 Fluid
{not provided} (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0859416	WC0859393	---
Sample Date		Client Info		21 May 2024	16 Nov 2023	---
Machine Age	hrs	Client Info		6216	5273	---
Oil Age	hrs	Client Info		300	250	---
Filter Age	hrs	Client Info		300	250	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>51	14	6	---
Chromium	ppm	ASTM D5185m	>11	1	0	---
Nickel	ppm	ASTM D5185m	>5	2	2	---
Titanium	ppm	ASTM D5185m		9	23	---
Silver	ppm	ASTM D5185m	>3	1	0	---
Aluminum	ppm	ASTM D5185m	>31	3	3	---
Lead	ppm	ASTM D5185m	>26	<1	<1	---
Copper	ppm	ASTM D5185m	>26	2	<1	---
Tin	ppm	ASTM D5185m	>4	<1	<1	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

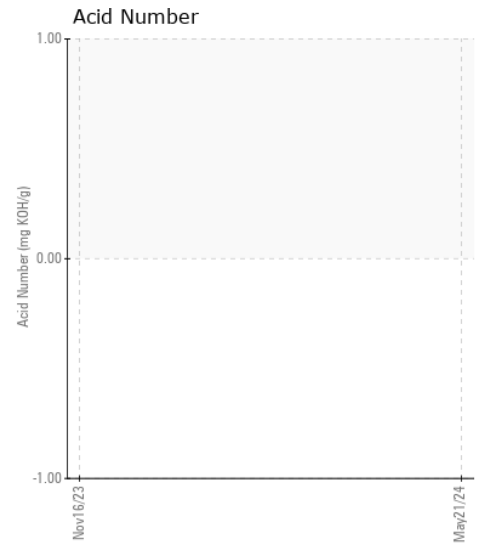
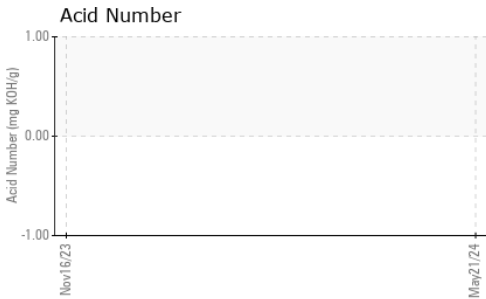
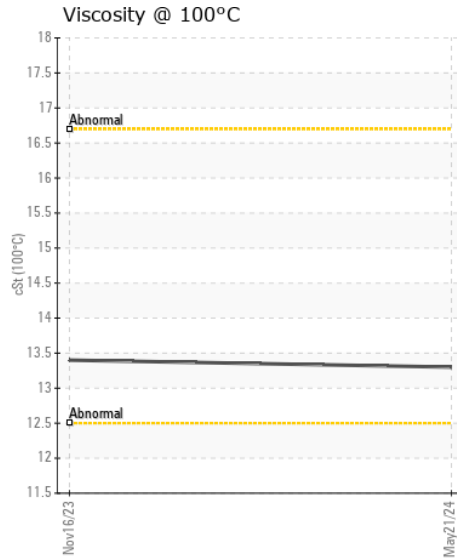
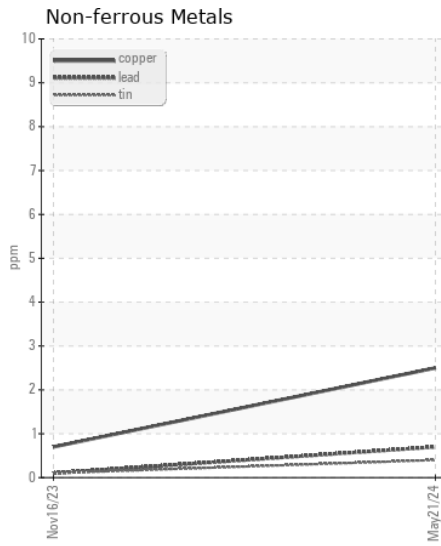
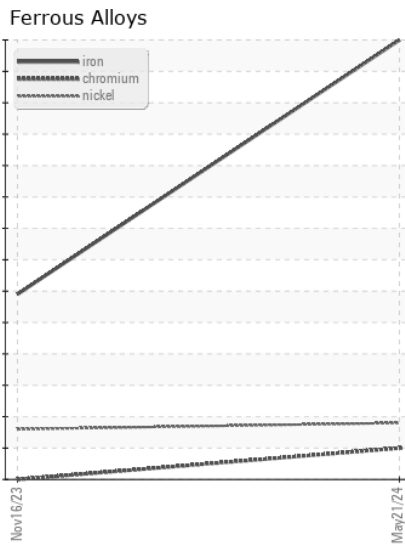
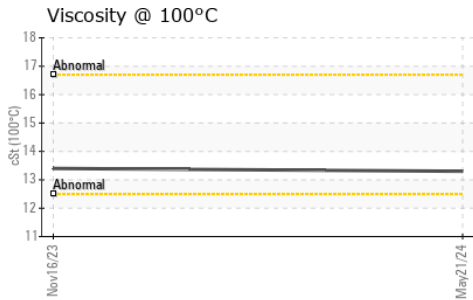
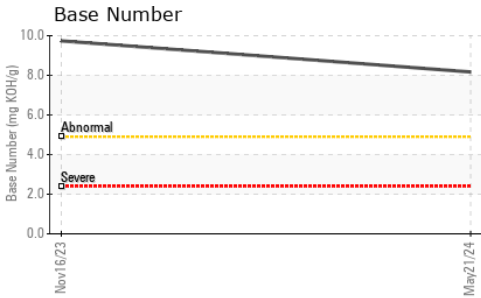
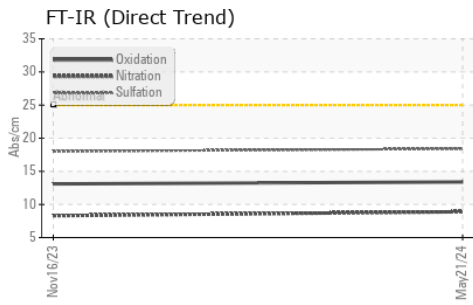
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>22	7	8	---
Potassium	ppm	ASTM D5185m	>20	2	<1	---
Fuel		WC Method	>2.1	<1.0	<1.0	---
Water	%	ASTM D6304	>0.21	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.4	0.3	---
Nitration	Abs/cm	*ASTM D7624	>20	8.9	8.3	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.4	18.0	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.21	NEG	NEG	---

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m	>31	3	2	---
Boron	ppm	ASTM D5185m		33	66	---
Barium	ppm	ASTM D5185m		<1	0	---
Molybdenum	ppm	ASTM D5185m		73	68	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m		81	189	---
Calcium	ppm	ASTM D5185m		1737	1974	---
Phosphorus	ppm	ASTM D5185m		779	1018	---
Zinc	ppm	ASTM D5185m		978	1228	---
Sulfur	ppm	ASTM D5185m		2979	3874	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.4	13.1	---
Base Number (BN)	mg KOH/g	ASTM D2896		8.17	9.74	---
Visc @ 100°C	cSt	ASTM D445		13.3	13.4	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0859416 **Received** : 28 May 2024
Lab Number : 06193022 **Tested** : 30 May 2024
Unique Number : 11049774 **Diagnosed** : 30 May 2024 - Sean Felton
Test Package : PLANT (Additional Tests: FT-IR, KV100, TBN)

KERSEY VALLEY LANDFILL
 3940 KIVETT DRIVE
 JAMSTOWN, NC
 US 27282
 Contact: Service Manager

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

T:
F: