



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 1025R 1LV1025RCCM813273

Component
Diesel Engine

Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0200886	JR0115051	---
Sample Date		Client Info		29 Feb 2024	10 Feb 2022	---
Machine Age	hrs	Client Info		341	99	---
Oil Age	hrs	Client Info		341	0	---
Filter Age	hrs	Client Info		341	0	---
Oil Changed		Client Info		Changed	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>51	12	13	---
Chromium	ppm	ASTM D5185m	>11	<1	<1	---
Nickel	ppm	ASTM D5185m	>5	0	0	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m	>3	0	0	---
Aluminum	ppm	ASTM D5185m	>31	5	1	---
Lead	ppm	ASTM D5185m	>26	<1	<1	---
Copper	ppm	ASTM D5185m	>26	4	13	---
Tin	ppm	ASTM D5185m	>4	<1	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

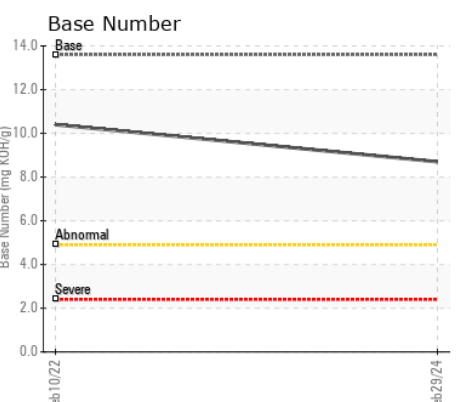
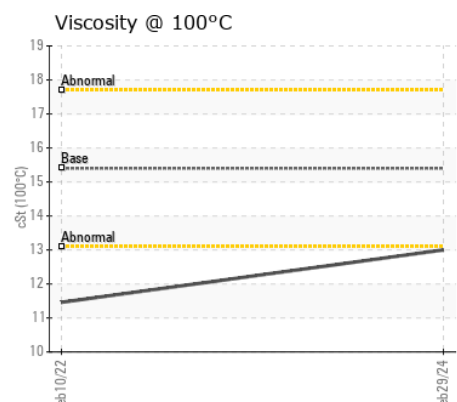
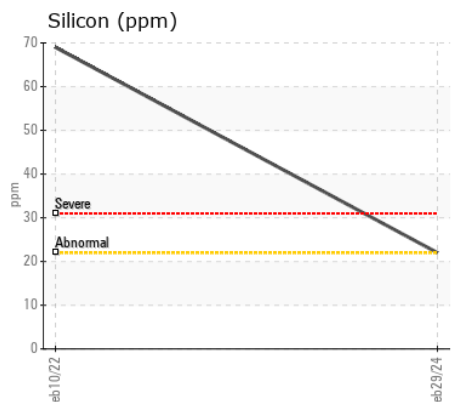
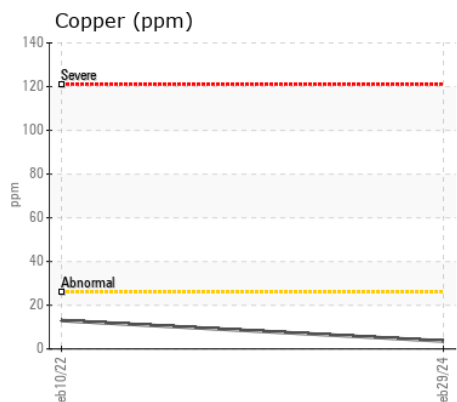
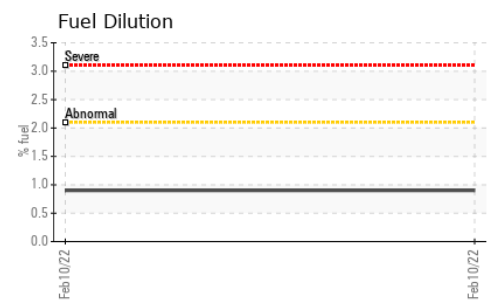
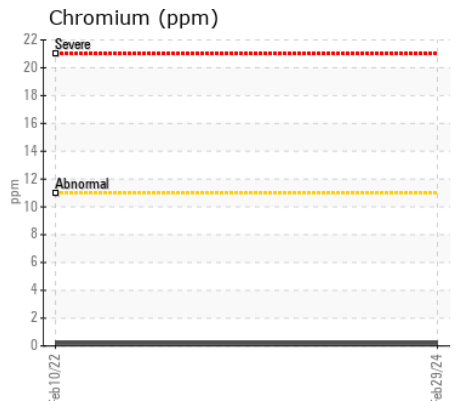
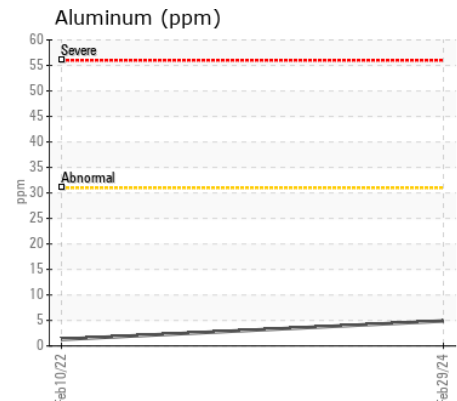
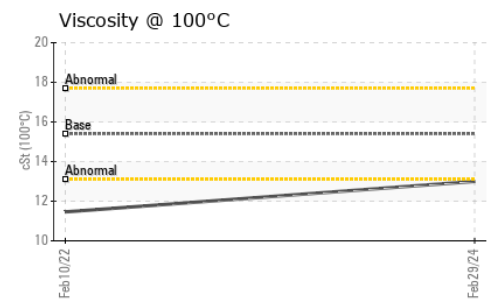
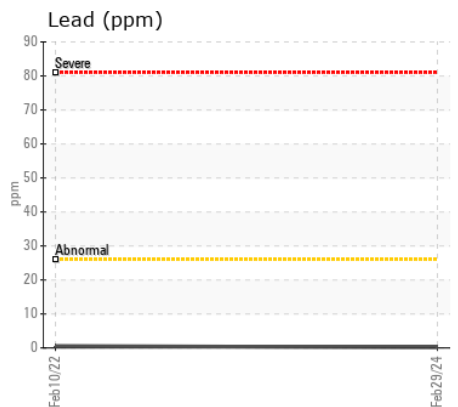
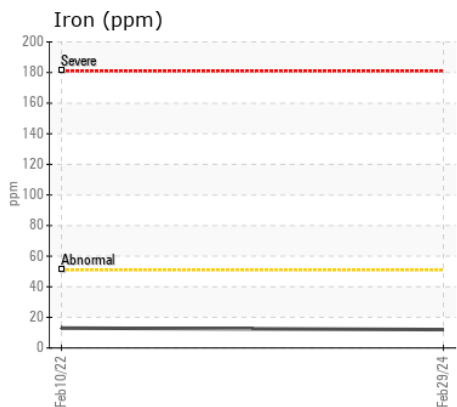
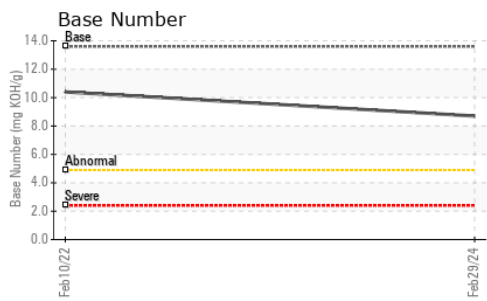
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>22	22	▲ 69	---
Potassium	ppm	ASTM D5185m	>20	2	2	---
Fuel	%	ASTM D3524	>2.1	<1.0	0.9	---
Water		WC Method	>0.21	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	*ASTM D7844	>3	0.1	0.2	---
Nitration	Abs/cm	*ASTM D7624	>20	8.2	7.1	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.2	20.6	---
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	4	14	---
Boron	ppm	ASTM D5185m		229	209	---
Barium	ppm	ASTM D5185m		0	7	---
Molybdenum	ppm	ASTM D5185m		244	209	---
Manganese	ppm	ASTM D5185m		<1	1	---
Magnesium	ppm	ASTM D5185m		787	643	---
Calcium	ppm	ASTM D5185m		1388	1976	---
Phosphorus	ppm	ASTM D5185m		868	959	---
Zinc	ppm	ASTM D5185m		1078	1006	---
Sulfur	ppm	ASTM D5185m		2942	3252	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.4	15.0	---
Base Number (BN)	mg KOH/g	ASTM D2896	13.6	8.7	10.4	---
Visc @ 100°C	cSt	ASTM D445	15.4	13.0	● 11.46	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0200886 **Received** : 01 Mar 2024
Lab Number : 06105916 **Tested** : 05 Mar 2024
Unique Number : 10909413 **Diagnosed** : 05 Mar 2024 - Don Baldrige
Test Package : MOBCE (Additional Tests: FuelDilution, TBN)

JRE - SHELBY
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 SHELBY, NC
 US 28150
 Contact: LEVI BOWMAN
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 T:
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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)