



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Area

[W09512]

Machine Id

JOHN DEERE 317G 1T0317GJAJJ332876 - ERS

Component

Diesel Engine

Fluid

{not provided} (--- GAL)

## RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0125933</b>	JR0126202	---
Sample Date		Client Info		<b>27 Apr 2023</b>	10 Feb 2023	---
Machine Age	hrs	Client Info		<b>202</b>	192	---
Oil Age	hrs	Client Info		<b>192</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	N/A	---
Filter Changed		Client Info		<b>Changed</b>	N/A	---
Sample Status				<b>NORMAL</b>	MARGINAL	---

## WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>51	<b>29</b>	30	---
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	0	---
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>31	<b>16</b>	18	---
Lead	ppm	ASTM D5185m	>26	<b>0</b>	3	---
Copper	ppm	ASTM D5185m	>26	<b>39</b>	45	---
Tin	ppm	ASTM D5185m	>4	<b>0</b>	<1	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

## CONTAMINATION

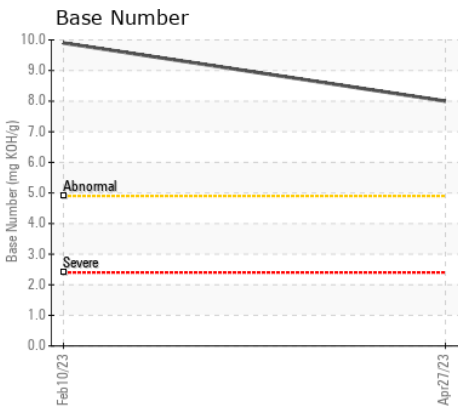
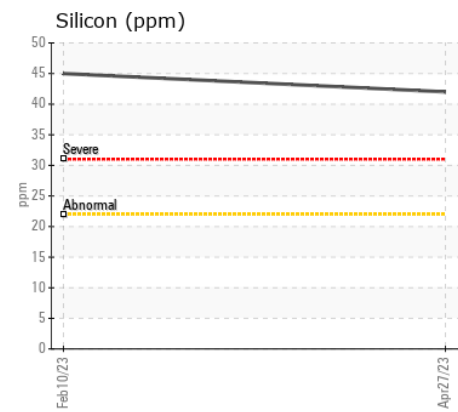
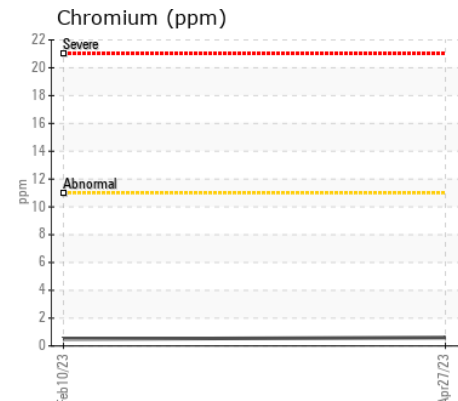
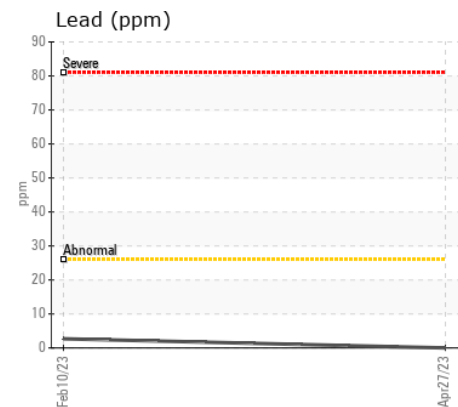
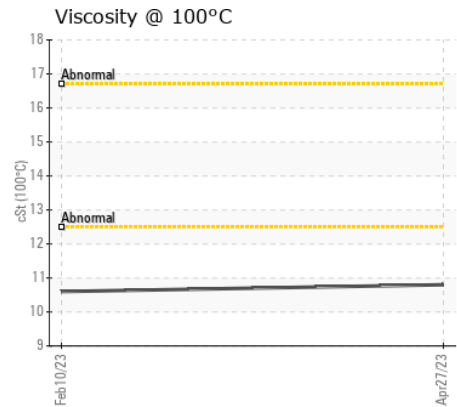
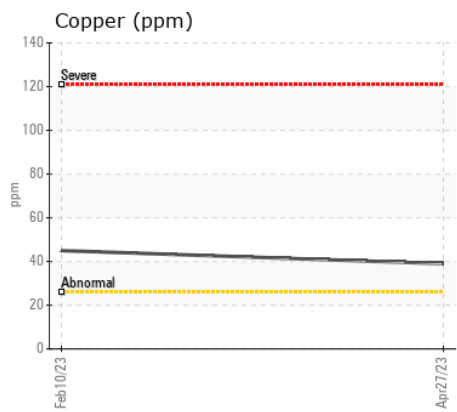
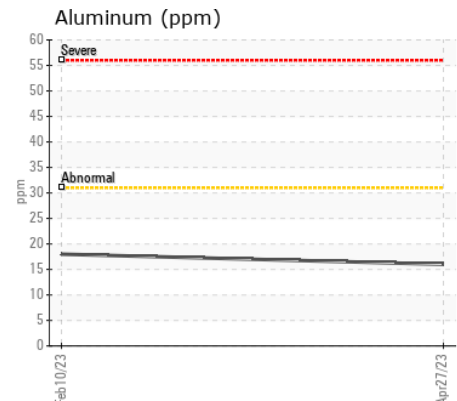
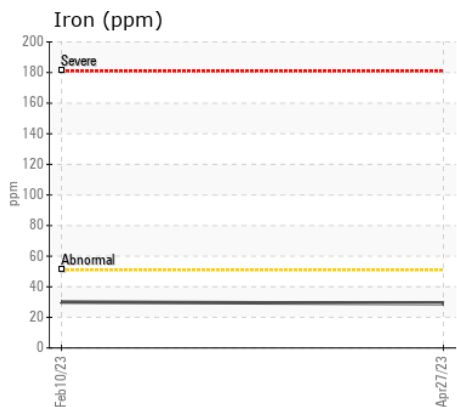
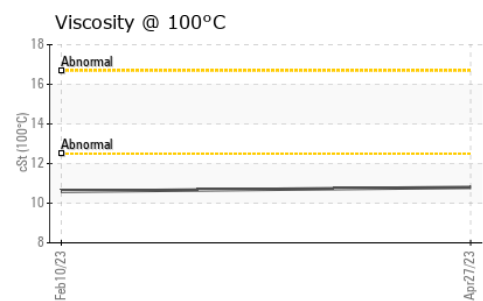
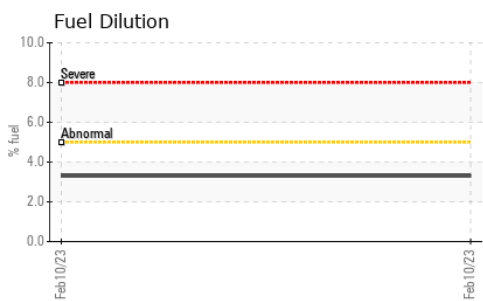
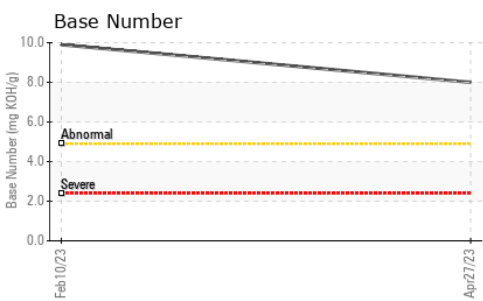
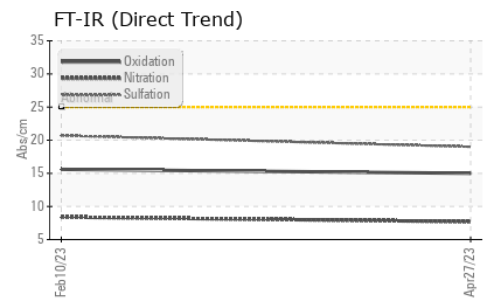
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>22	<b>42</b>	45	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	2	---
Fuel	%	ASTM D3524	>5	<b>&lt;1.0</b>	▲ 3.3	---
Water		WC Method	>0.21	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	NEG	---
Soot %	%	*ASTM D7844	>3	<b>0.2</b>	0.2	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>7.7</b>	8.4	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>19.0</b>	20.7	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.21	<b>NEG</b>	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	<b>9</b>	8	---
Boron	ppm	ASTM D5185m		<b>263</b>	266	---
Barium	ppm	ASTM D5185m		<b>0</b>	3	---
Molybdenum	ppm	ASTM D5185m		<b>224</b>	253	---
Manganese	ppm	ASTM D5185m		<b>2</b>	1	---
Magnesium	ppm	ASTM D5185m		<b>694</b>	647	---
Calcium	ppm	ASTM D5185m		<b>1689</b>	1764	---
Phosphorus	ppm	ASTM D5185m		<b>906</b>	922	---
Zinc	ppm	ASTM D5185m		<b>1102</b>	1110	---
Sulfur	ppm	ASTM D5185m		<b>4170</b>	3877	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>15.0</b>	15.6	---
Base Number (BN)	mg KOH/g	ASTM D2896		<b>8.0</b>	9.9	---
Visc @ 100°C	cSt	ASTM D445		<b>10.8</b>	10.6	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0125933 **Received** : 01 May 2023  
**Lab Number** : 05833645 **Tested** : 02 May 2023  
**Unique Number** : 10447138 **Diagnosed** : 02 May 2023 - Jonathan Hester  
**Test Package** : MOBCE ( Additional Tests: FuelDilution, TBN )

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)

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