



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**JOHN DEERE 410L 1T0410LXJLF385326**

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>JR0213495</b>	JR0158205	JR0087715
Sample Date		Client Info		<b>22 Apr 2024</b>	04 May 2023	03 Aug 2021
Machine Age	hrs	Client Info		<b>1018</b>	477	202
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	ABNORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>51	<b>17</b>	69	27
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	2	1
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	1	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>31	<b>4</b>	8	2
Lead	ppm	ASTM D5185m	>26	<b>6</b>	6	6
Copper	ppm	ASTM D5185m	>26	<b>14</b>	▲ 152	37
Tin	ppm	ASTM D5185m	>4	<b>0</b>	3	2
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

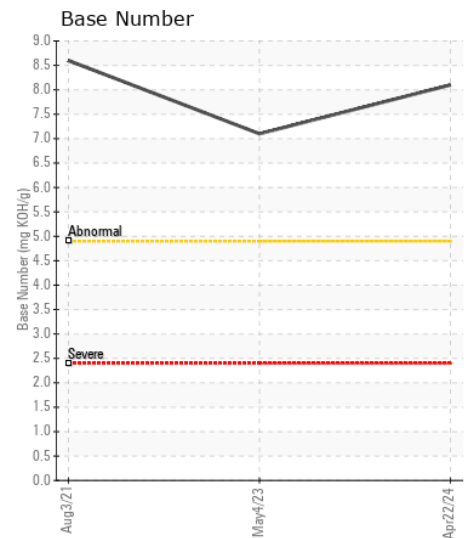
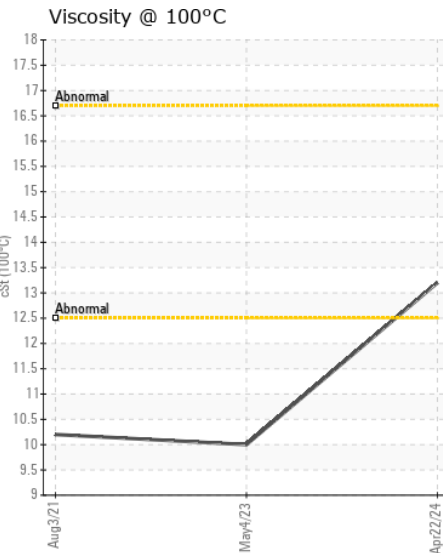
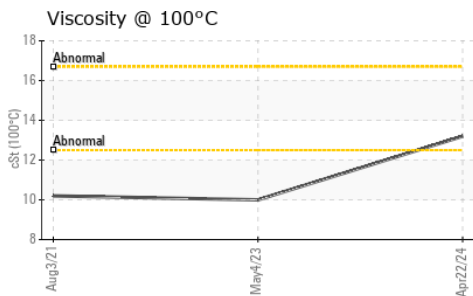
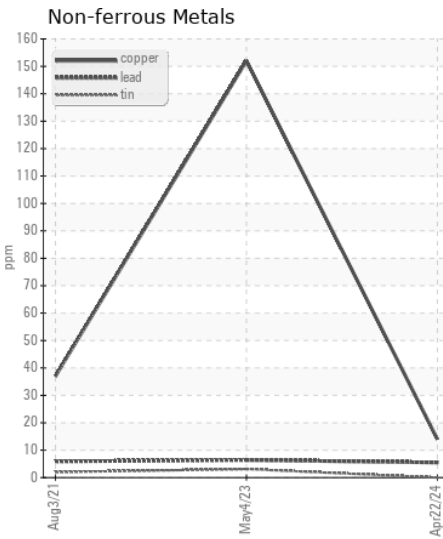
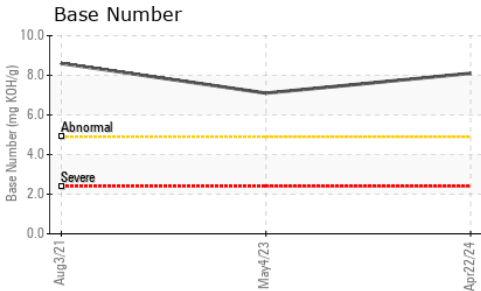
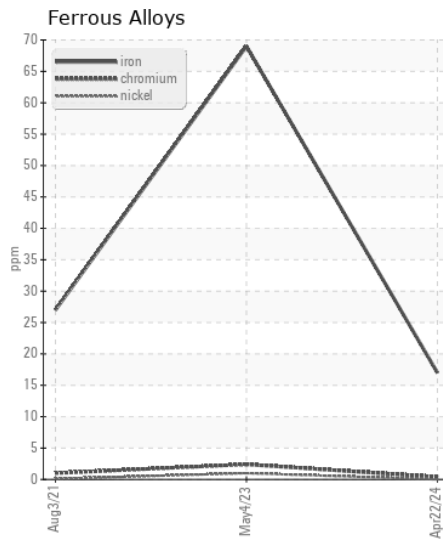
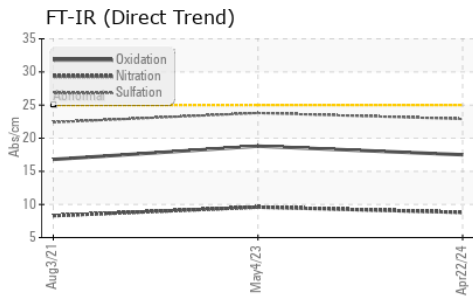
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>22	<b>6</b>	12	11
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	2	3
Fuel		WC Method	>2.1	<b>&lt;1.0</b>	<1.0	0.4
Water		WC Method	>0.21	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844	>3	<b>0.2</b>	1	0.7
Nitration	Abs/cm	*ASTM D7624	>20	<b>8.8</b>	9.6	8.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>22.9</b>	23.8	22.4
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.21	<b>NEG</b>	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	<b>2</b>	6	4
Boron	ppm	ASTM D5185m		<b>184</b>	176	292
Barium	ppm	ASTM D5185m		<b>1</b>	1	3
Molybdenum	ppm	ASTM D5185m		<b>229</b>	229	256
Manganese	ppm	ASTM D5185m		<b>1</b>	7	5
Magnesium	ppm	ASTM D5185m		<b>812</b>	782	806
Calcium	ppm	ASTM D5185m		<b>1514</b>	1482	1668
Phosphorus	ppm	ASTM D5185m		<b>913</b>	839	1040
Zinc	ppm	ASTM D5185m		<b>1154</b>	1044	1118
Sulfur	ppm	ASTM D5185m		<b>3688</b>	3484	2961
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>17.5</b>	18.8	16.8
Base Number (BN)	mg KOH/g	ASTM D2896		<b>8.1</b>	7.1	8.6
Visc @ 100°C	cSt	ASTM D445		<b>13.2</b>	10.0	10.2



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : JR0213495

**Lab Number** : 06157440

**Unique Number** : 10992863

**Test Package** : CONST ( Additional Tests: TBN )

**Received** : 23 Apr 2024

**Tested** : 24 Apr 2024

**Diagnosed** : 24 Apr 2024 - Wes Davis

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)

**JRE - GREENSBORO**

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