



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

Machine Id  
**JOHN DEERE 333G JDSS-73 (S/N 1T0333GMCPF445502)**

Component  
**Diesel Engine**

Fluid  
**DIESEL ENGINE OIL SAE 40 (--- GAL)**

### RECOMMENDATION

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0203628</b>	JR0178577	---
Sample Date		Client Info		<b>10 Apr 2024</b>	02 Dec 2023	---
Machine Age	hrs	Client Info		<b>1068</b>	598	---
Oil Age	hrs	Client Info		<b>500</b>	500	---
Filter Age	hrs	Client Info		<b>500</b>	500	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>Changed</b>	Changed	---
Sample Status				<b>MARGINAL</b>	ABNORMAL	---

### WEAR

The copper level has decreased, but is still abnormal.

Iron	ppm	ASTM D5185m	>51	<b>30</b>	43	---
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>4</b>	5	---
Lead	ppm	ASTM D5185m	>26	<b>0</b>	6	---
Copper	ppm	ASTM D5185m	>26	<b>▲ 49</b>	▲ 295	---
Tin	ppm	ASTM D5185m	>4	<b>&lt;1</b>	0	---
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

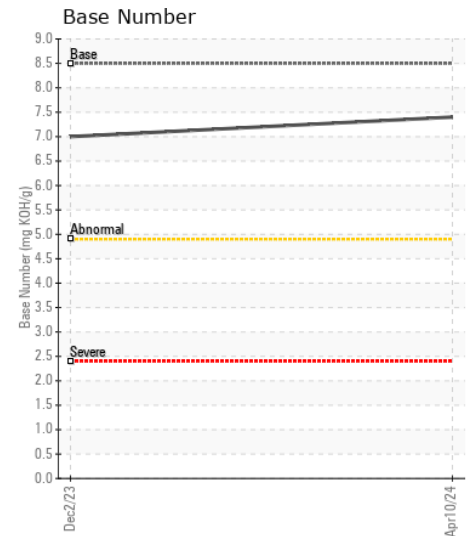
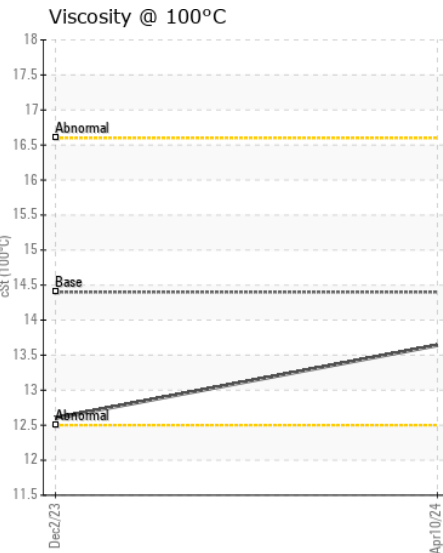
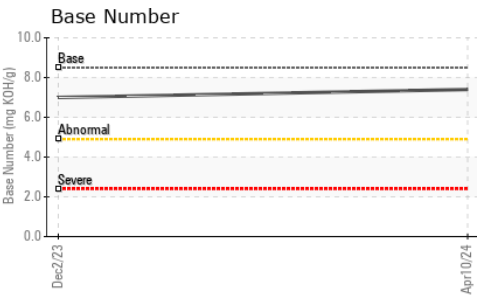
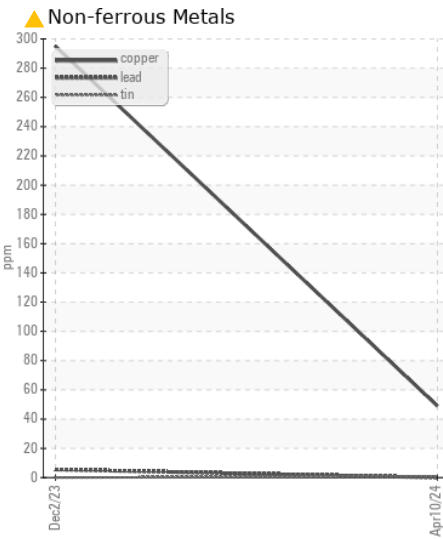
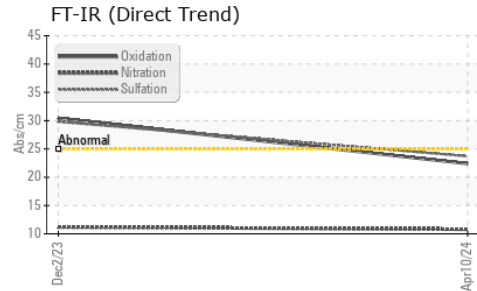
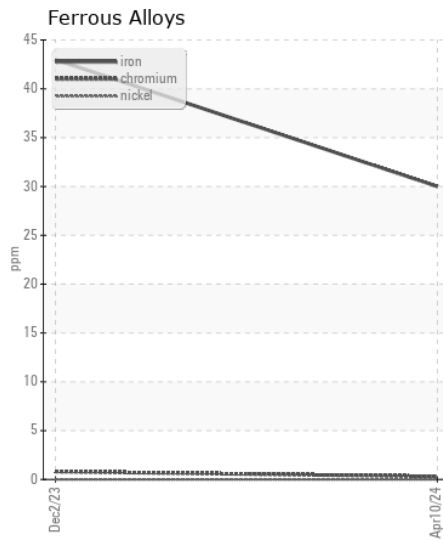
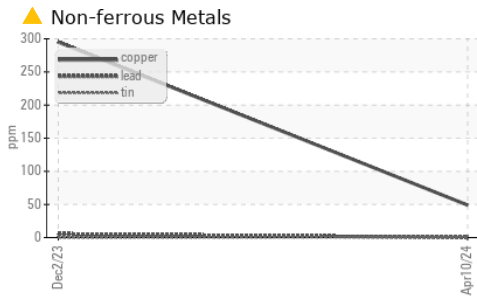
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>22	<b>16</b>	▲ 56	---
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	1	---
Fuel		WC Method	>2.1	<b>&lt;1.0</b>	<1.0	---
Water		WC Method	>0.21	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	NEG	---
Soot %	%	*ASTM D7844	>3	<b>0.4</b>	0.4	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>10.8</b>	11.2	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>23.7</b>	29.8	---
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 acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>216	<b>4</b>	9	---
Boron	ppm	ASTM D5185m	250	<b>20</b>	117	---
Barium	ppm	ASTM D5185m	10	<b>&lt;1</b>	3	---
Molybdenum	ppm	ASTM D5185m	100	<b>108</b>	267	---
Manganese	ppm	ASTM D5185m		<b>1</b>	2	---
Magnesium	ppm	ASTM D5185m	450	<b>1048</b>	860	---
Calcium	ppm	ASTM D5185m	3000	<b>1333</b>	1847	---
Phosphorus	ppm	ASTM D5185m	1150	<b>1100</b>	973	---
Zinc	ppm	ASTM D5185m	1350	<b>1405</b>	1237	---
Sulfur	ppm	ASTM D5185m	4250	<b>3050</b>	3065	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>22.4</b>	30.4	---
Base Number (BN)	mg KOH/g	ASTM D2896	8.5	<b>7.4</b>	7.0	---
Visc @ 100°C	cSt	ASTM D445	14.4	<b>13.64</b>	12.6	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0203628 **Received** : 12 Apr 2024  
**Lab Number** : 06147184 **Tested** : 18 Apr 2024  
**Unique Number** : 10977262 **Diagnosed** : 18 Apr 2024 - Jonathan Hester  
**Test Package** : CONST ( Additional Tests: TBN )

**PEDULLA**  
 1275 SHINN FARM RD  
 MOORESVILLE, NC  
 US 28115  
 Contact: STEPHEN

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: