



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

Machine Id  
**JOHN DEERE 350P 1FF350PAHNF000281**

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		<b>JR0202195</b>	JR0190724	---
Sample Date		Client Info		<b>13 Feb 2024</b>	13 Nov 2023	---
Machine Age	hrs	Client Info		<b>1551</b>	1091	---
Oil Age	hrs	Client Info		<b>460</b>	1091	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>Changed</b>	Changed	---
Sample Status				<b>NORMAL</b>	ABNORMAL	---

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>51	<b>7</b>	▲ 83	---
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	2	---
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	4	---
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185m	>3	<b>0</b>	<1	---
Aluminum	ppm	ASTM D5185m	>31	<b>6</b>	6	---
Lead	ppm	ASTM D5185m	>26	<b>0</b>	7	---
Copper	ppm	ASTM D5185m	>26	<b>&lt;1</b>	▲ 61	---
Tin	ppm	ASTM D5185m	>4	<b>0</b>	4	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---

### CONTAMINATION

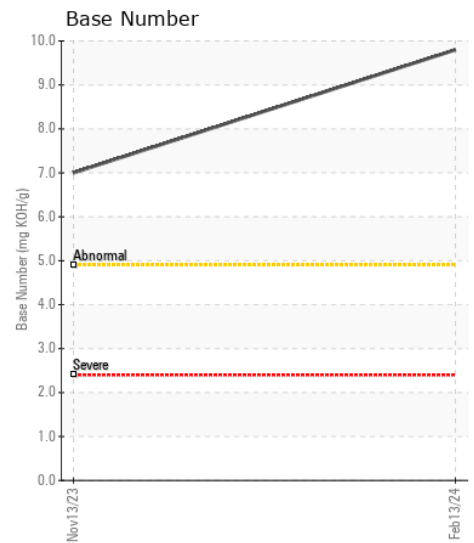
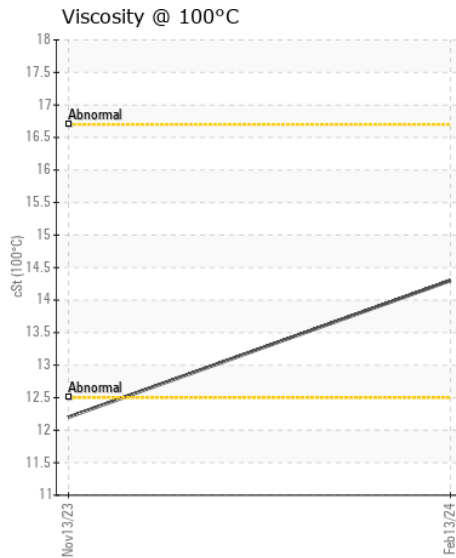
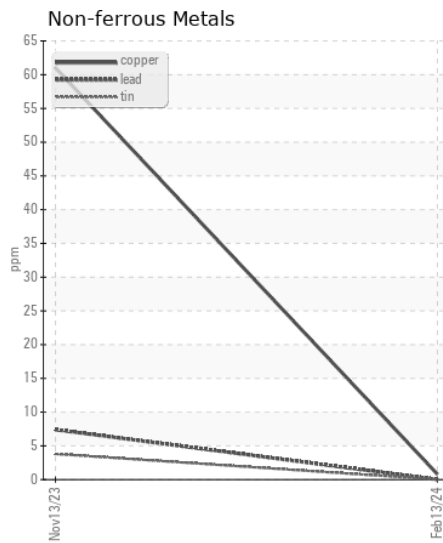
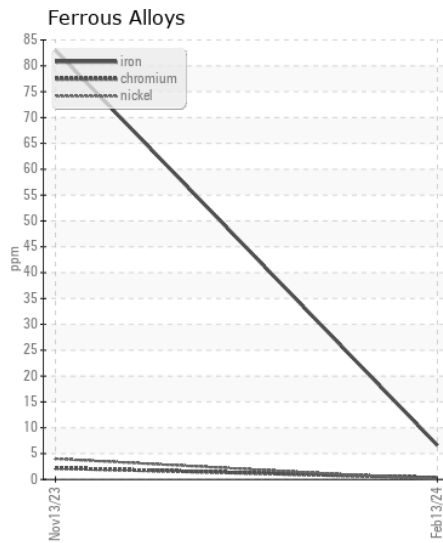
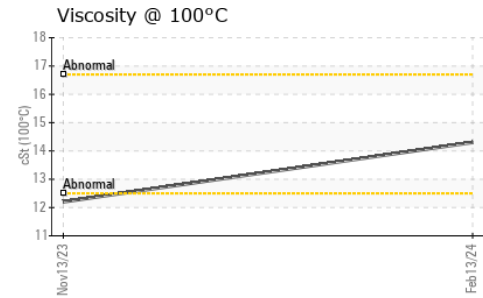
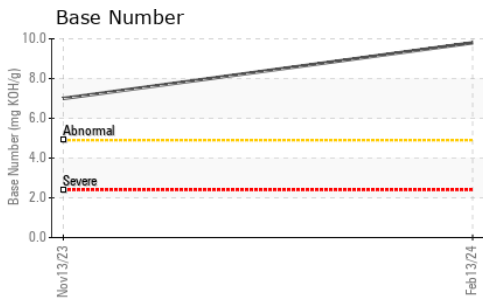
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>22	<b>14</b>	16	---
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	8	---
Fuel		WC Method	>2.1	<b>&lt;1.0</b>	0.3	---
Water		WC Method	>0.21	<b>NEG</b>	NEG	---
Glycol		WC Method		<b>NEG</b>	NEG	---
Soot %	%	*ASTM D7844	>3	<b>0.1</b>	0.6	---
Nitration	Abs/cm	*ASTM D7624	>20	<b>5.7</b>	10.6	---
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>19.4</b>	27.0	---
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>1</b>	9	---
Boron	ppm	ASTM D5185m		<b>437</b>	44	---
Barium	ppm	ASTM D5185m		<b>14</b>	0	---
Molybdenum	ppm	ASTM D5185m		<b>367</b>	175	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	2	---
Magnesium	ppm	ASTM D5185m		<b>1171</b>	686	---
Calcium	ppm	ASTM D5185m		<b>1977</b>	1607	---
Phosphorus	ppm	ASTM D5185m		<b>1399</b>	920	---
Zinc	ppm	ASTM D5185m		<b>1501</b>	1168	---
Sulfur	ppm	ASTM D5185m		<b>5558</b>	2666	---
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>14.0</b>	25.1	---
Base Number (BN)	mg KOH/g	ASTM D2896		<b>9.8</b>	7.0	---
Visc @ 100°C	cSt	ASTM D445		<b>14.3</b>	12.2	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0202195 **Received** : 14 Feb 2024  
**Lab Number** : 06088654 **Tested** : 15 Feb 2024  
**Unique Number** : 10876099 **Diagnosed** : 15 Feb 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: TBN )

**JRE - GARNER**  
 4161 AUBURN CHURCH RD  
 GARNER, NC  
 US 27529

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

Contact: RALEIGH SHOP  
 sean.betts@jamesriverequipment.com; catherine.anastasio@wearcheck.com

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

T: (919)614-2260

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

F: (919)779-5432