



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id  
**JOHN DEERE 350P 1FF350PATPF000742**  
 Component  
**Diesel Engine**  
 Fluid  
**JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (28 QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0218403</b>	JR0211058	JR0195991
Sample Date		Client Info		<b>21 Jun 2024</b>	28 Mar 2024	07 Dec 2023
Machine Age	hrs	Client Info		<b>2015</b>	1454	965
Oil Age	hrs	Client Info		<b>561</b>	489	489
Filter Age	hrs	Client Info		<b>0</b>	0	489
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>51	<b>30</b>	28	33
Chromium	ppm	ASTM D5185m	>11	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>5	<b>&lt;1</b>	3	3
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m	>3	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>31	<b>4</b>	4	6
Lead	ppm	ASTM D5185m	>26	<b>2</b>	2	<1
Copper	ppm	ASTM D5185m	>26	<b>7</b>	10	▲ 45
Tin	ppm	ASTM D5185m	>4	<b>&lt;1</b>	2	<1
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

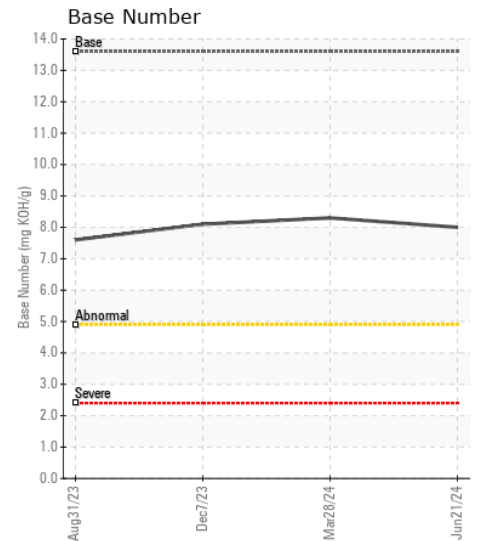
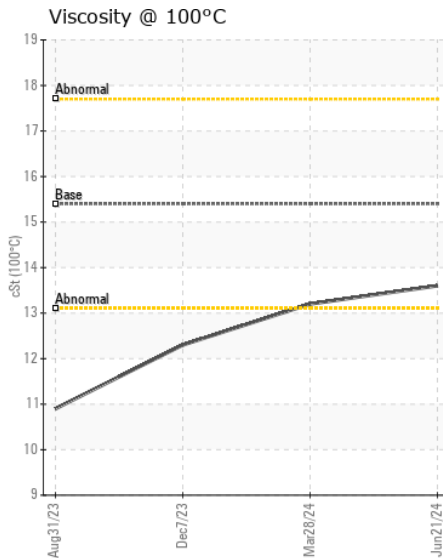
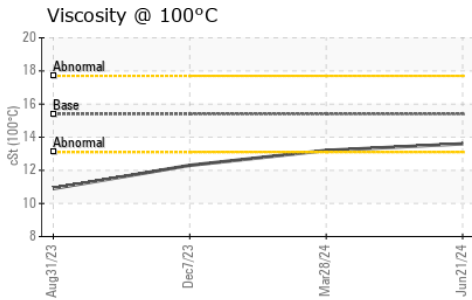
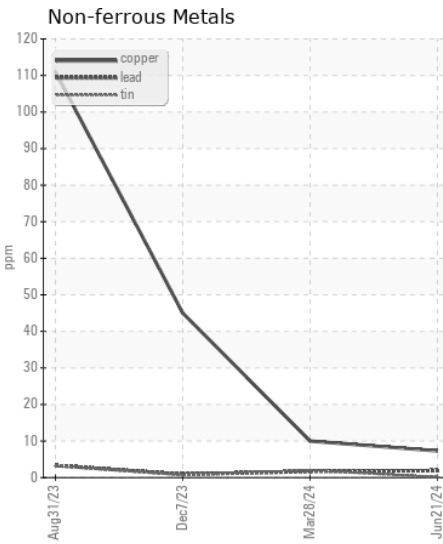
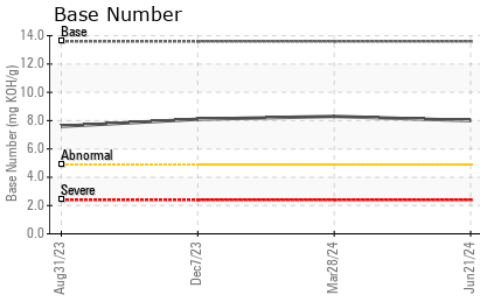
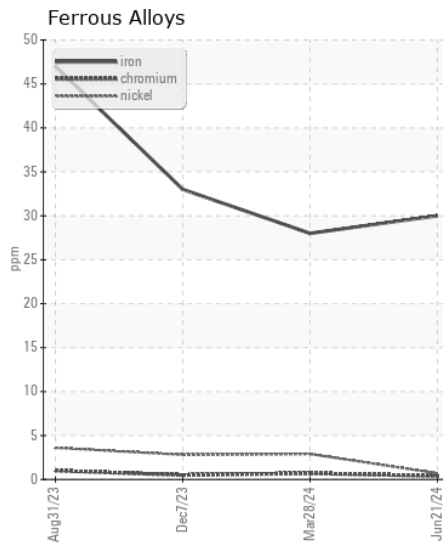
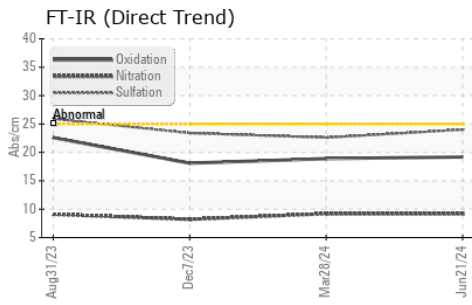
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>22	<b>10</b>	8	12
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	2	3
Fuel		WC Method	>2.1	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.21	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	*ASTM D7844	>3	<b>0.5</b>	0.4	0.4
Nitration	Abs/cm	*ASTM D7624	>20	<b>9.2</b>	9.2	8.2
Sulfation	Abs/.1mm	*ASTM D7415	>30	<b>24.0</b>	22.6	23.4
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>1</b>	3	4
Boron	ppm	ASTM D5185m		<b>109</b>	154	186
Barium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>245</b>	199	236
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Magnesium	ppm	ASTM D5185m		<b>869</b>	767	752
Calcium	ppm	ASTM D5185m		<b>1672</b>	1749	2041
Phosphorus	ppm	ASTM D5185m		<b>926</b>	897	966
Zinc	ppm	ASTM D5185m		<b>1167</b>	1111	1227
Sulfur	ppm	ASTM D5185m		<b>3440</b>	3476	3202
Oxidation	Abs/.1mm	*ASTM D7414	>25	<b>19.2</b>	18.9	18.1
Base Number (BN)	mg KOH/g	ASTM D2896	13.6	<b>8.0</b>	8.3	8.1
Visc @ 100°C	cSt	ASTM D445	15.4	<b>13.6</b>	13.2	● 12.3



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0218403 **Received** : 24 Jun 2024  
**Lab Number** : 06217970 **Tested** : 25 Jun 2024  
**Unique Number** : 11096167 **Diagnosed** : 25 Jun 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: TBN )

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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)