



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

Area

**[05W46516]**

Machine Id

**JOHN DEERE 350P 1FF350PALPF000489**

Component

**Pump Drive**

Fluid

**JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (1 QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0214355</b>	JR0202973	JR0192227
Sample Date		Client Info		<b>10 May 2024</b>	22 Feb 2024	25 Oct 2023
Machine Age	hrs	Client Info		<b>2020</b>	1493	941
Oil Age	hrs	Client Info		<b>1000</b>	552	941
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Not Changd	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	ABNORMAL

### WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>14</b>	15	17
Iron	ppm	ASTM D5185m	>151	<b>54</b>	38	81
Chromium	ppm	ASTM D5185m	>11	<b>1</b>	<1	3
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>21	<b>5</b>	4	2
Lead	ppm	ASTM D5185m	>51	<b>0</b>	<1	0
Copper	ppm	ASTM D5185m	>51	<b>3</b>	<1	<1
Tin	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

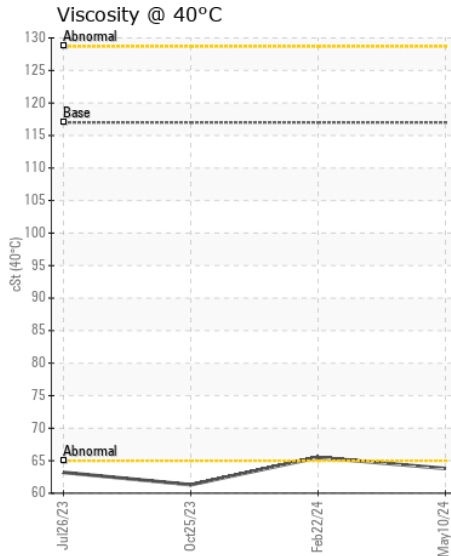
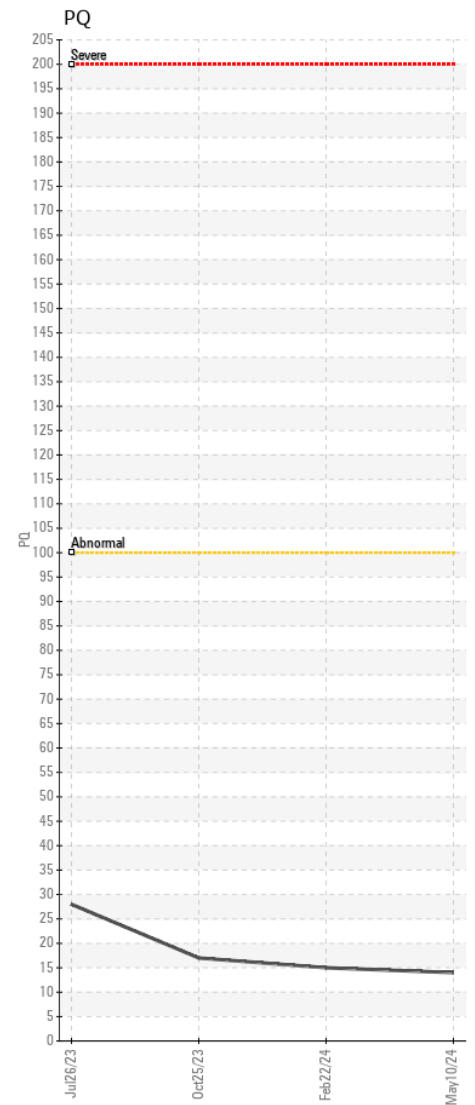
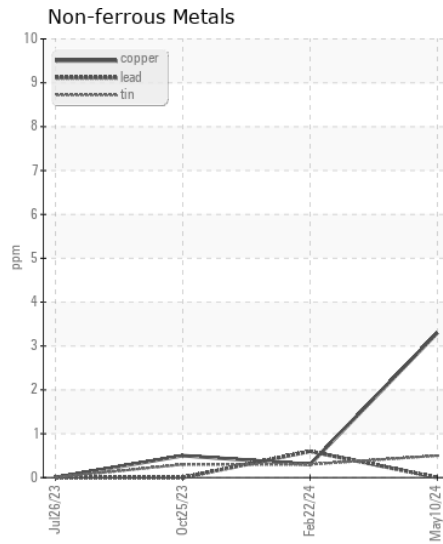
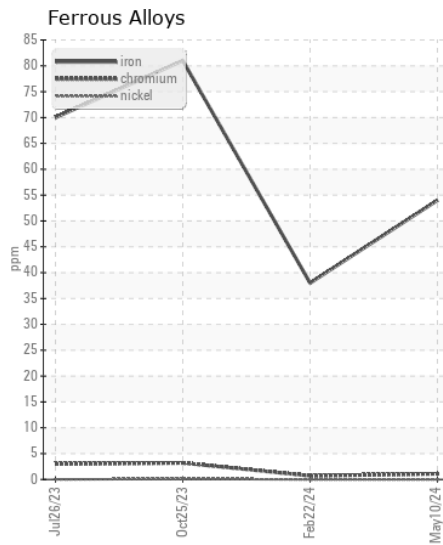
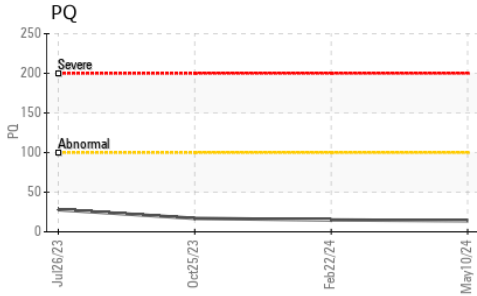
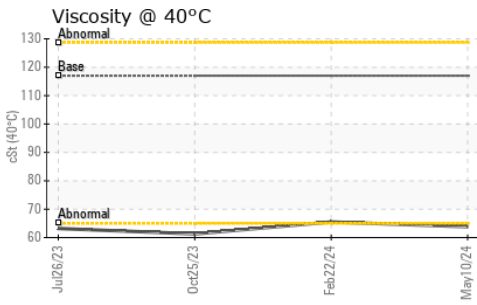
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	<b>26</b>	22	▲ 76
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	<1	4
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
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	>0.1	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	<b>3</b>	3	0
Boron	ppm	ASTM D5185m		<b>266</b>	244	68
Barium	ppm	ASTM D5185m		<b>0</b>	0	5
Molybdenum	ppm	ASTM D5185m		<b>213</b>	203	108
Manganese	ppm	ASTM D5185m		<b>3</b>	1	5
Magnesium	ppm	ASTM D5185m		<b>698</b>	631	13
Calcium	ppm	ASTM D5185m		<b>1917</b>	1758	4073
Phosphorus	ppm	ASTM D5185m		<b>997</b>	966	1354
Zinc	ppm	ASTM D5185m		<b>1114</b>	1037	1323
Sulfur	ppm	ASTM D5185m		<b>4261</b>	3529	9739
Visc @ 40°C	cSt	ASTM D445	117	<b>63.8</b>	65.5	61.3



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0214355 **Received** : 13 May 2024  
**Lab Number** : 06177456 **Tested** : 14 May 2024  
**Unique Number** : 11023509 **Diagnosed** : 14 May 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**B & S SITE DEVELOPMENT**  
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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)