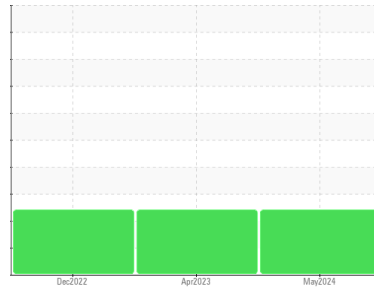


# OIL ANALYSIS REPORT

## Sample Rating Trend


**WEAR**


Machine Id

**JOHN DEERE 118**

Component

**Front Differential**

Fluid

**MOBIL MOBILFLUID 424 (--- QTS)**

### DIAGNOSIS

#### ▲ Recommendation

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

#### ▲ Wear

Bearing and/or bushing wear is indicated. All other component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

#### Fluid Condition

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

### SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>JR0172404</b>	JR0117815	JR0117940
Sample Date	Client Info		<b>09 May 2024</b>	06 Apr 2023	08 Dec 2022
Machine Age	hrs	Client Info	<b>4654</b>	2359	1618
Oil Age	hrs	Client Info	<b>2354</b>	2359	1618
Oil Changed	Client Info		<b>Changed</b>	Changed	Not Changed
Sample Status			<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

### CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>.2	<b>NEG</b>	NEG	NEG

### WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184		<b>21</b>	12	12
Iron	ppm	ASTM D5185m >500	<b>51</b>	58	54
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m >10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m	<b>0</b>	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >25	<b>0</b>	<1	<1
Lead	ppm	ASTM D5185m >25	<b>▲ 62</b>	▲ 70	▲ 57
Copper	ppm	ASTM D5185m >100	<b>▲ 514</b>	▲ 407	▲ 322
Tin	ppm	ASTM D5185m >10	<b>▲ 24</b>	▲ 23	▲ 18
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

### ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>110</b>	4	5
Barium	ppm	ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>7</b>	<1	<1
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	2	1
Magnesium	ppm	ASTM D5185m	<b>82</b>	91	83
Calcium	ppm	ASTM D5185m	<b>3242</b>	3025	3216
Phosphorus	ppm	ASTM D5185m	<b>1231</b>	975	1028
Zinc	ppm	ASTM D5185m	<b>1314</b>	1147	1151
Sulfur	ppm	ASTM D5185m	<b>7869</b>	3748	4105

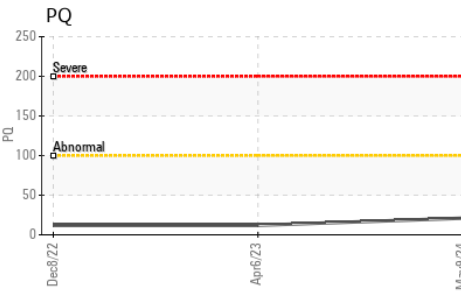
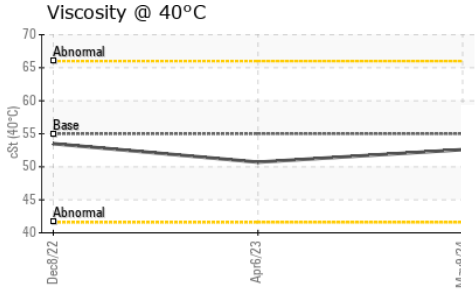
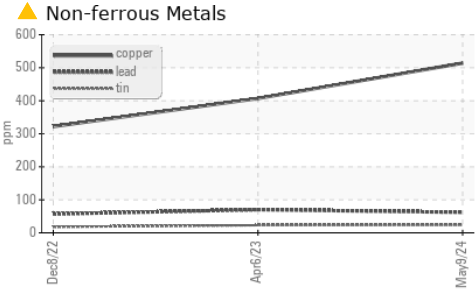
### CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	<b>9</b>	4	4
Sodium	ppm	ASTM D5185m	<b>5</b>	6	4
Potassium	ppm	ASTM D5185m >20	<b>0</b>	<1	3

### VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual NONE	<b>NONE</b>	NONE	NONE
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 >.2	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual	<b>NEG</b>	NEG	NEG

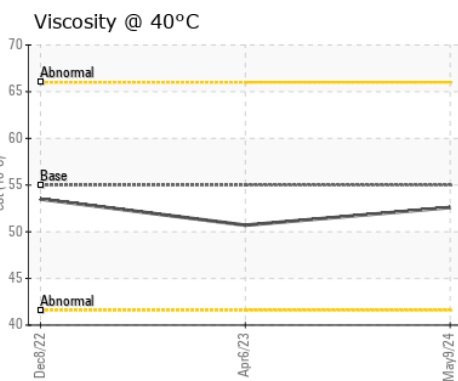
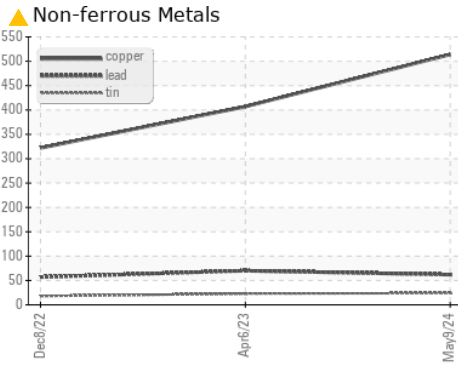
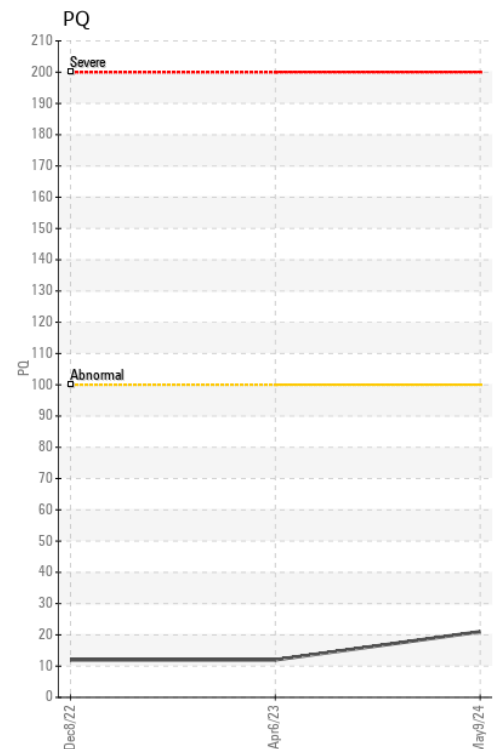
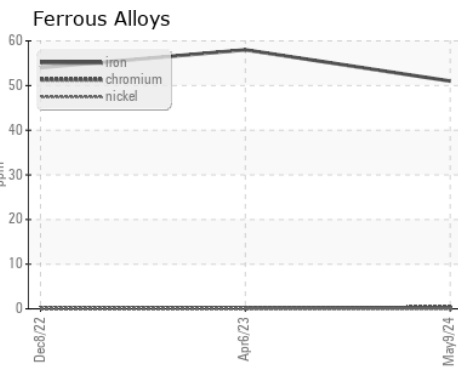
# OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 55	<b>52.6</b>	50.7	53.5

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0172404      **Received** : 31 May 2024  
**Lab Number** : **06197038**      **Tested** : 03 Jun 2024  
**Unique Number** : 11059161      **Diagnosed** : 04 Jun 2024 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

**SCOTTS EARTH GROW**  
 7601 GENERAL MAHONE HWY  
 WAVERLY, VA  
 US 23890  
 Contact: JW  
 jerald.tappiii@scotts.com  
 T: (804)834-3986  
 F: (804)834-3989

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)