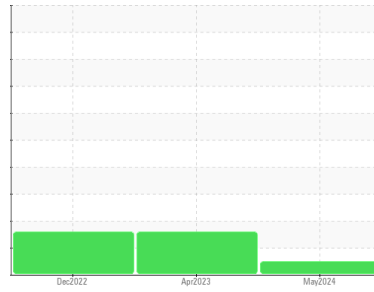


# OIL ANALYSIS REPORT

**Sample Rating Trend**

**NORMAL**


Machine Id

**JOHN DEERE 118**

Component

**Rear Differential**

Fluid

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

Resample at the next service interval to monitor.

**Wear**

All 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>JR0172405</b>	JR0117816	JR0117935
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>	2300	1618
Oil Changed	Client Info			<b>Changed</b>	Changed	Not Changed
Sample Status				<b>NORMAL</b>	ABNORMAL	ABNORMAL

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

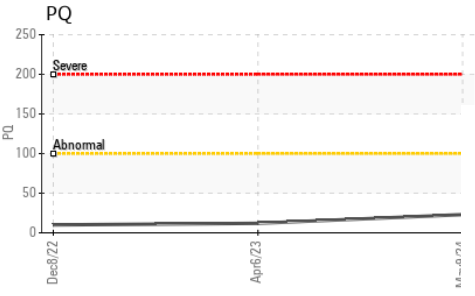
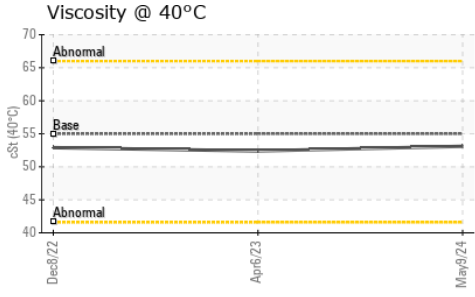
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		<b>23</b>	12	10
Iron	ppm	ASTM D5185m	>500	<b>67</b>	92	78
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>0</b>	<1	<1
Lead	ppm	ASTM D5185m	>25	<b>82</b>	▲ 129	▲ 114
Copper	ppm	ASTM D5185m	>100	<b>190</b>	▲ 128	▲ 102
Tin	ppm	ASTM D5185m	>10	<b>1</b>	1	<1
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>	5	6
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>6</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>1</b>	3	2
Magnesium	ppm	ASTM D5185m		<b>82</b>	91	79
Calcium	ppm	ASTM D5185m		<b>3174</b>	2899	3035
Phosphorus	ppm	ASTM D5185m		<b>1237</b>	988	1020
Zinc	ppm	ASTM D5185m		<b>1326</b>	1170	1143
Sulfur	ppm	ASTM D5185m		<b>7924</b>	3836	3865

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	<b>10</b>	6	7
Sodium	ppm	ASTM D5185m		<b>5</b>	5	3
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	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



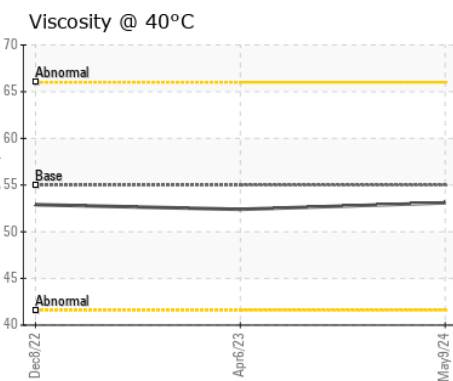
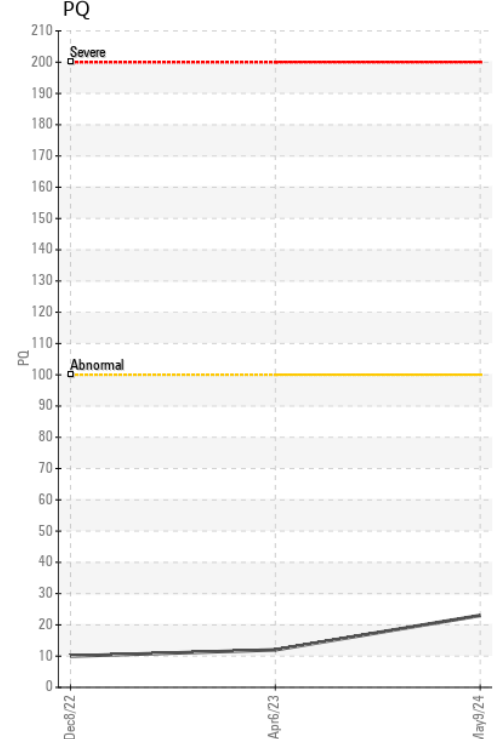
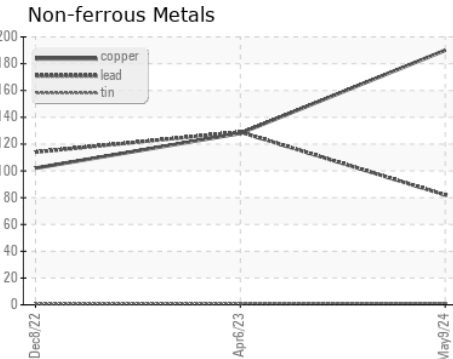
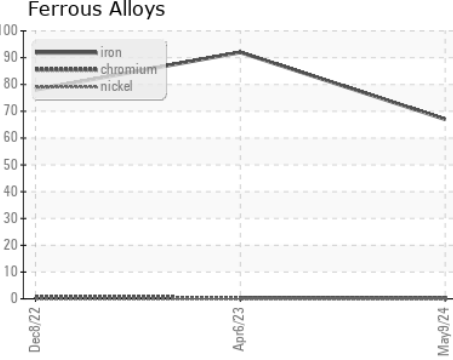
FLUID PROPERTIES	method	limit/base	current	history1	history2
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Visc @ 40°C	cSt	ASTM D445	55	<b>53.1</b>	52.4	52.9
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SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color				no image	no image	no image
Bottom				no image	no image	no image

GRAPHS
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**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0172405      **Received** : 31 May 2024  
**Lab Number** : **06197037**      **Tested** : 03 Jun 2024  
**Unique Number** : 11059160      **Diagnosed** : 04 Jun 2024 - Wes Davis  
**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)