



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

Machine Id  
**JOHN DEERE 116**  
 Component  
**Front Differential**  
 Fluid  
**MOBIL MOBILFLUID 424 (--- QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0172398</b>	JR0172471	JR0117820
Sample Date		Client Info		<b>08 Apr 2024</b>	19 Jul 2023	14 Apr 2023
Machine Age	hrs	Client Info		<b>7008</b>	5789	5194
Oil Age	hrs	Client Info		<b>500</b>	1500	1000
Filter Age	hrs	Client Info		<b>500</b>	500	1000
Oil Changed		Client Info		<b>Not Changd</b>	Not Changd	Not Changd
Filter Changed		Client Info		<b>Not Changd</b>	Not Changd	Changed
Sample Status				<b>NORMAL</b>	ABNORMAL	NORMAL

### WEAR

All component wear rates are normal.

PQ		ASTM D8184		<b>22</b>	13	17
Iron	ppm	ASTM D5185m	>500	<b>12</b>	40	32
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185m	>25	<b>3</b>	<1	<1
Lead	ppm	ASTM D5185m	>25	<b>14</b>	▲ 39	24
Copper	ppm	ASTM D5185m	>100	<b>14</b>	26	19
Tin	ppm	ASTM D5185m	>10	<b>1</b>	1	<1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</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 fluid.

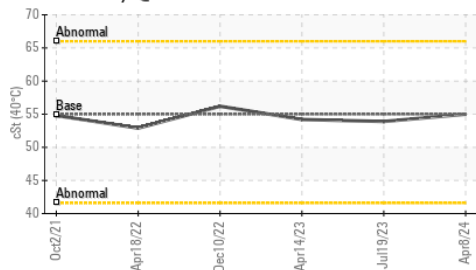
Silicon	ppm	ASTM D5185m	>75	<b>11</b>	4	4
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	0
Water		WC Method	>.2	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>.2	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

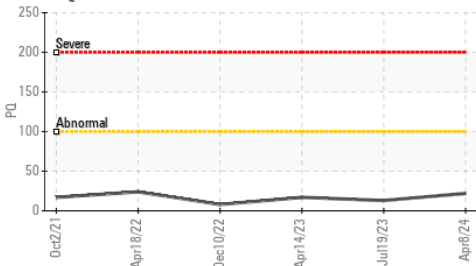
The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>3</b>	0	2
Boron	ppm	ASTM D5185m		<b>128</b>	11	6
Barium	ppm	ASTM D5185m		<b>2</b>	<1	0
Molybdenum	ppm	ASTM D5185m		<b>5</b>	2	1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	<1	1
Magnesium	ppm	ASTM D5185m		<b>89</b>	92	87
Calcium	ppm	ASTM D5185m		<b>4731</b>	3678	3017
Phosphorus	ppm	ASTM D5185m		<b>1681</b>	1107	899
Zinc	ppm	ASTM D5185m		<b>1979</b>	1319	1127
Sulfur	ppm	ASTM D5185m		<b>10645</b>	4341	3524
Visc @ 40°C	cSt	ASTM D445	55	<b>55.0</b>	53.9	54.2

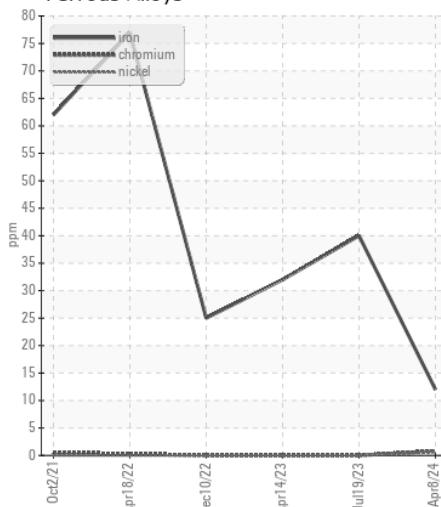
Viscosity @ 40°C



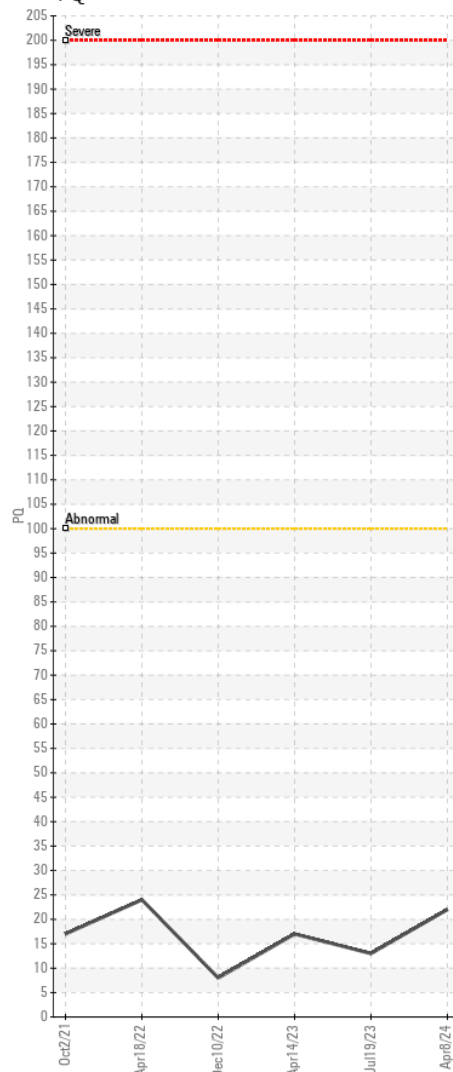
PQ



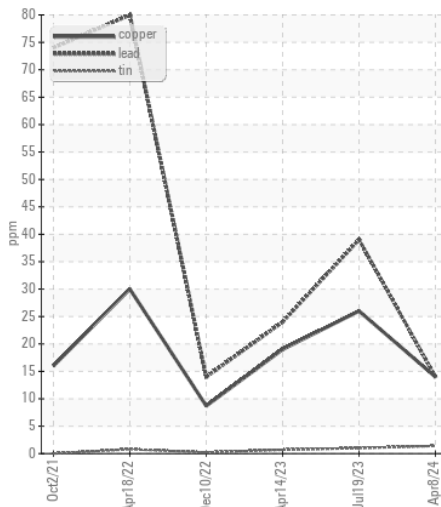
Ferrous Alloys



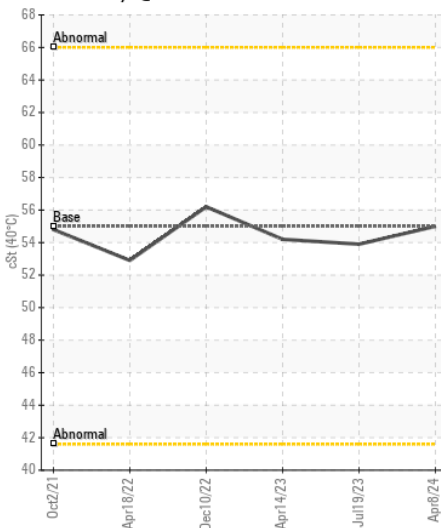
PQ



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : JR0172398 **Received** : 15 Apr 2024  
**Lab Number** : 06148970 **Tested** : 16 Apr 2024  
**Unique Number** : 10979048 **Diagnosed** : 17 Apr 2024 - Sean Felton  
**Test Package** : CONST ( Additional Tests: PQ )

**SCOTTS EARTH GROW**  
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 WAVERLY, VA  
 US 23890  
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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)