



# OIL ANALYSIS REPORT

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

Machine Id  
**JOHN DEERE 844L 1DW844LXCNL715618**  
 Component  
**Hydraulic System**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WE0007532</b>	WE0005267	WE0005426
Sample Date		Client Info		<b>10 Jun 2024</b>	21 Mar 2024	09 Nov 2023
Machine Age	hrs	Client Info		<b>4272</b>	3970	3067
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Changed</b>	Changed	Not Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Not Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		<b>17</b>	14	8
Iron	ppm	ASTM D5185m	>20	<b>10</b>	7	4
Chromium	ppm	ASTM D5185m	>10	<b>4</b>	2	<1
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>	0	0
Aluminum	ppm	ASTM D5185m	>10	<b>2</b>	1	0
Lead	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Copper	ppm	ASTM D5185m	>75	<b>2</b>	1	1
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
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

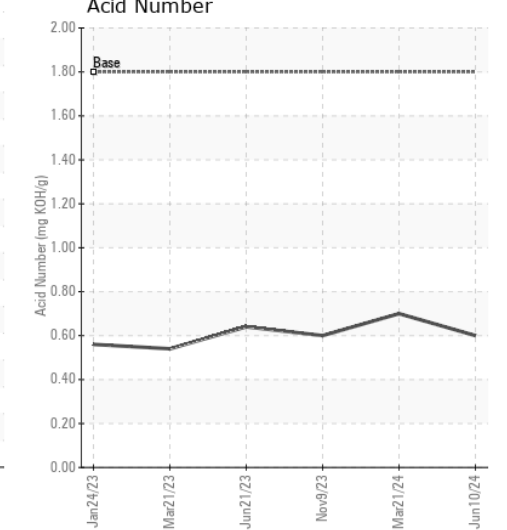
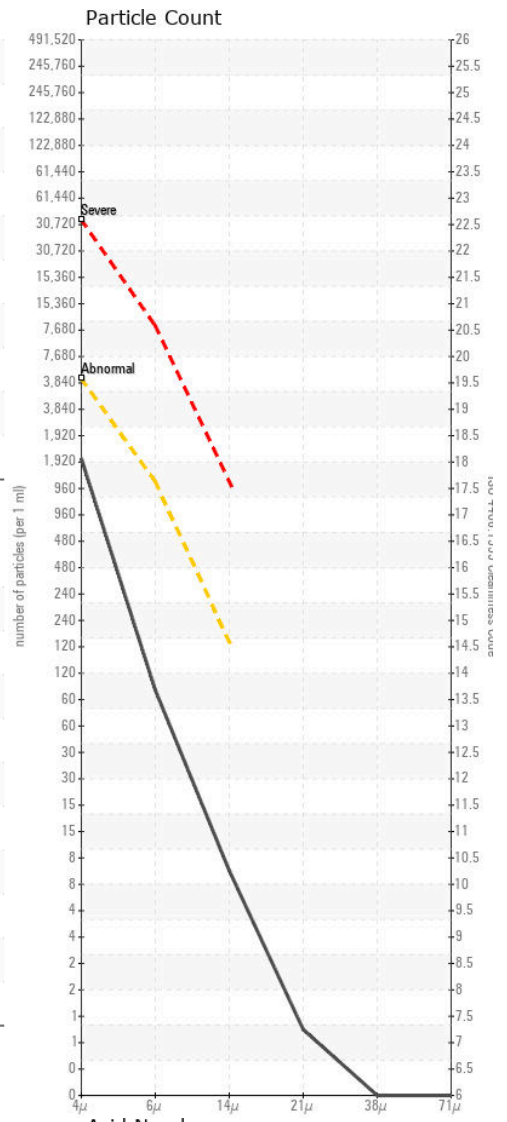
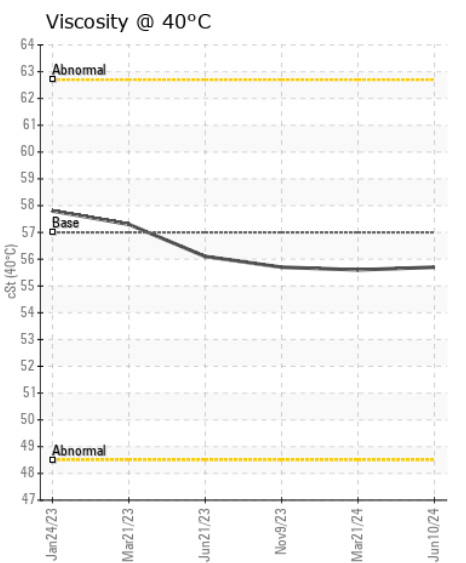
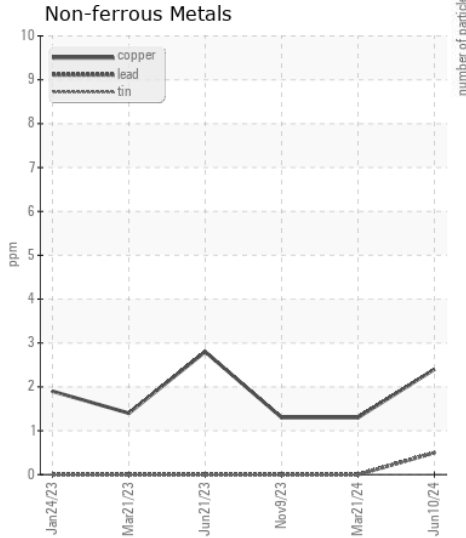
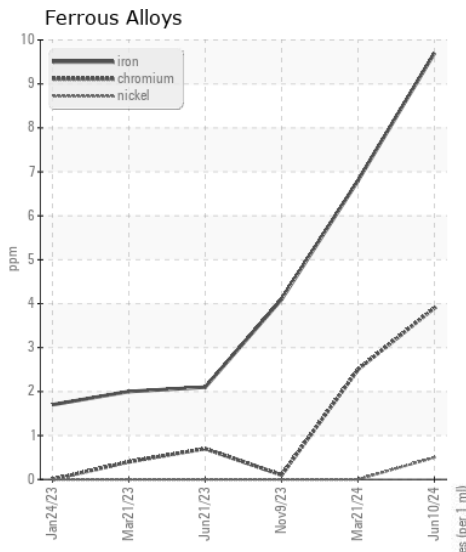
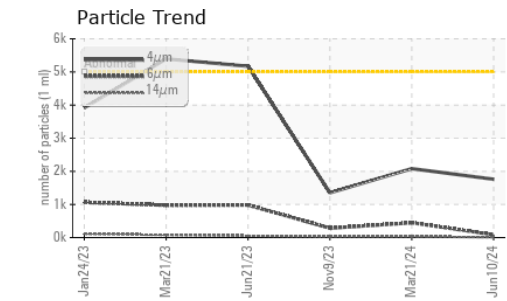
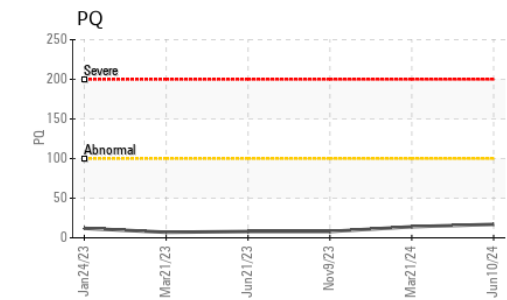
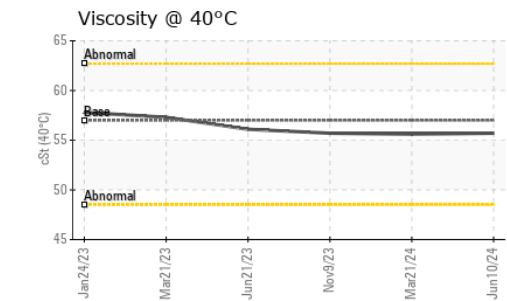
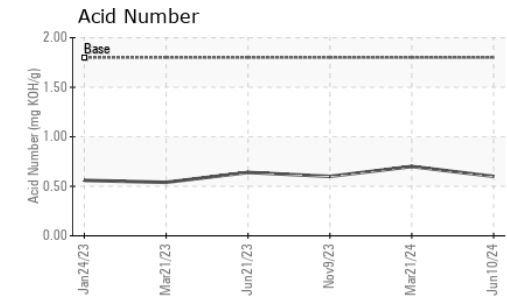
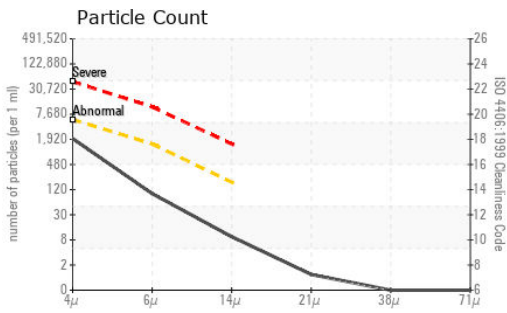
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	<b>5</b>	3	3
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	<1
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>5000	<b>1761</b>	2081	1351
Particles >6µm		ASTM D7647	>1300	<b>85</b>	447	285
Particles >14µm		ASTM D7647	>160	<b>8</b>	27	25
Particles >21µm		ASTM D7647	>40	<b>1</b>	6	5
Particles >38µm		ASTM D7647	>10	<b>0</b>	0	0
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>18/14/10</b>	18/16/12	18/15/12
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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		<b>4</b>	4	3
Boron	ppm	ASTM D5185m	6	<b>4</b>	2	3
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>2</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Magnesium	ppm	ASTM D5185m	145	<b>10</b>	2	3
Calcium	ppm	ASTM D5185m	3570	<b>160</b>	114	96
Phosphorus	ppm	ASTM D5185m	1290	<b>588</b>	593	507
Zinc	ppm	ASTM D5185m	1640	<b>747</b>	736	638
Sulfur	ppm	ASTM D5185m		<b>1643</b>	1845	1399
Acid Number (AN)	mg KOH/g	ASTM D8045	1.8	<b>0.60</b>	0.70	0.60
Visc @ 40°C	cSt	ASTM D445	57.0	<b>55.7</b>	55.6	55.7



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : WE0007532

Lab Number : 06211485

Unique Number : 11084349

Test Package : CONST ( Additional Tests: PQ )

Received : 17 Jun 2024

Tested : 18 Jun 2024

Diagnosed : 19 Jun 2024 - Don Baldrige

WARRIOR TRACTOR AND EQUIPMENT - MONROEVILLE

66 INDUSTRIAL PARK DR

MONROEVILLE, AL

US 36460

Contact: SCOTT WILLIAMSON

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T: (251)575-7111

F:

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)