



# OIL ANALYSIS REPORT

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

Machine Id  
**JOHN DEERE 744L 1DW744LXHNL713327**  
 Component  
**Hydraulic System**  
 Fluid  
**JOHN DEERE HYDRAU (--- GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WE0007375</b>	WE0005280	WE0005254
Sample Date		Client Info		<b>21 May 2024</b>	29 Mar 2024	07 Mar 2024
Machine Age	hrs	Client Info		<b>14436</b>	13395	12880
Oil Age	hrs	Client Info		<b>4436</b>	1400	500
Filter Age	hrs	Client Info		<b>4436</b>	1400	500
Oil Changed		Client Info		<b>Not Chngd</b>	Not Chngd	Not Chngd
Filter Changed		Client Info		<b>Not Chngd</b>	Not Chngd	Not Chngd
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>	15	17
Iron	ppm	ASTM D5185m	>20	<b>6</b>	6	9
Chromium	ppm	ASTM D5185m	>10	<b>4</b>	5	4
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185m	>10	<b>&lt;1</b>	2	<1
Lead	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	2
Copper	ppm	ASTM D5185m	>75	<b>2</b>	3	2
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	<1	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

## CONTAMINATION

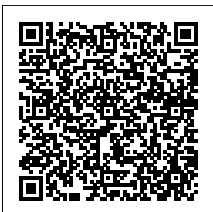
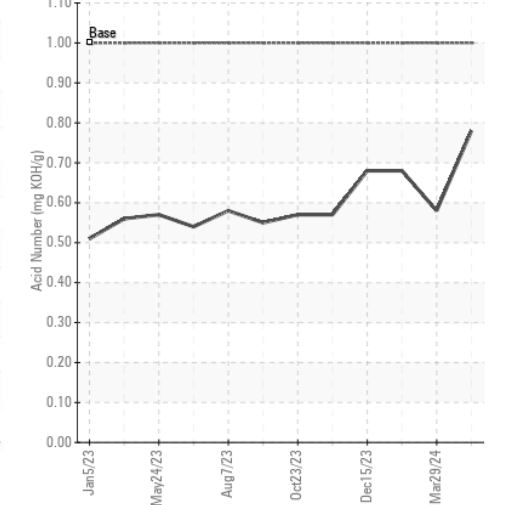
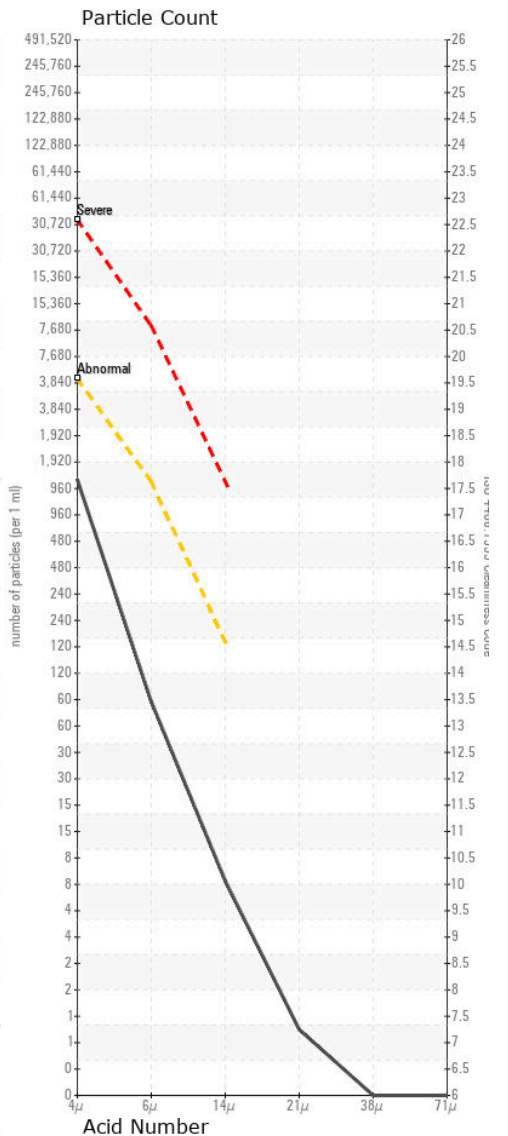
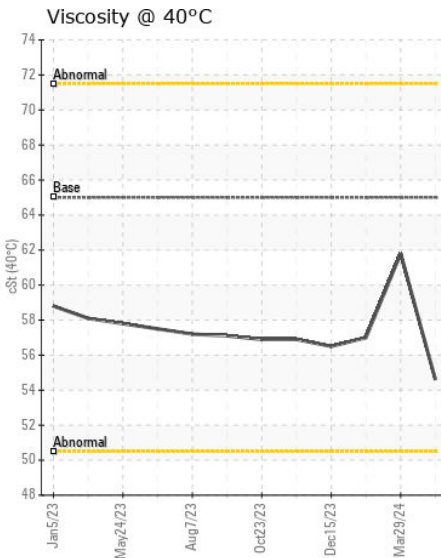
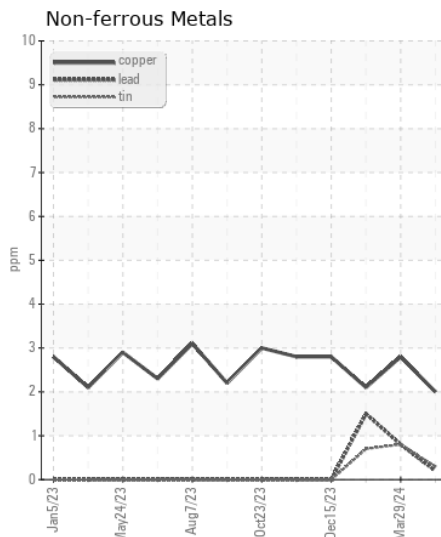
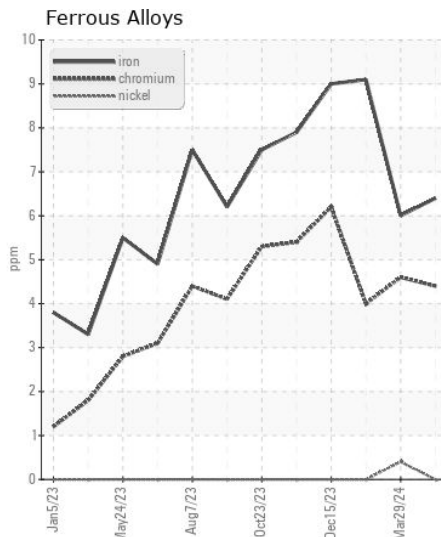
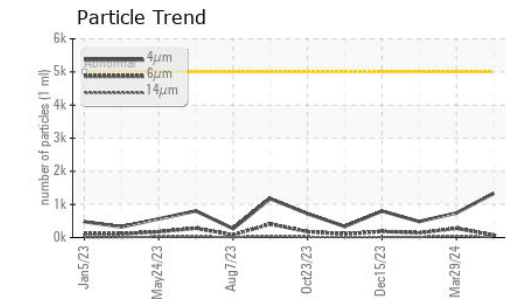
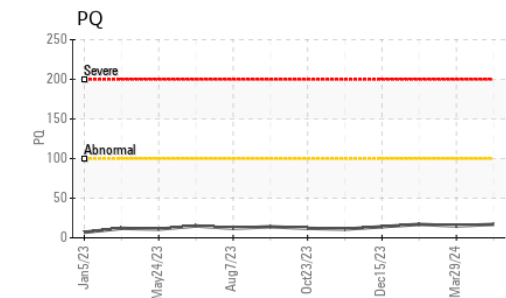
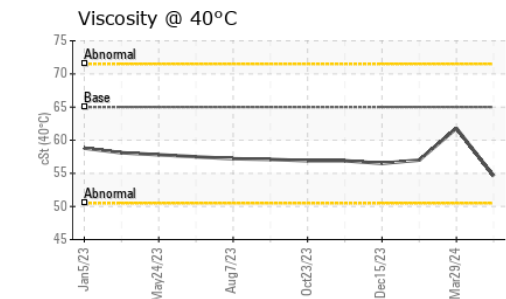
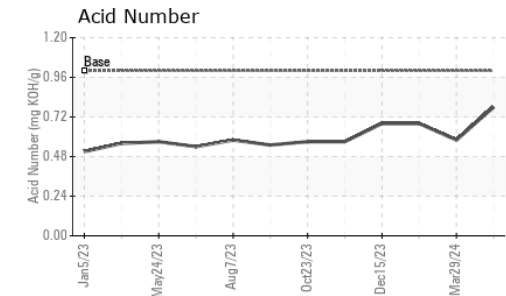
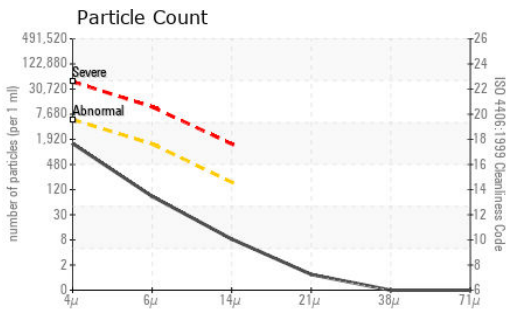
The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable.

Silicon	ppm	ASTM D5185m	>20	<b>4</b>	5	2
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	2	3
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Particles >4µm		ASTM D7647	>5000	<b>1336</b>	741	485
Particles >6µm		ASTM D7647	>1300	<b>73</b>	280	141
Particles >14µm		ASTM D7647	>160	<b>7</b>	38	14
Particles >21µm		ASTM D7647	>40	<b>1</b>	11	3
Particles >38µm		ASTM D7647	>10	<b>0</b>	1	0
Particles >71µm		ASTM D7647	>3	<b>0</b>	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	<b>18/13/10</b>	17/15/12	16/14/11
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	7
Boron	ppm	ASTM D5185m		<b>0</b>	0	0
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m		<b>5</b>	2	0
Calcium	ppm	ASTM D5185m	87	<b>926</b>	72	69
Phosphorus	ppm	ASTM D5185m	727	<b>779</b>	540	564
Zinc	ppm	ASTM D5185m	900	<b>969</b>	706	647
Sulfur	ppm	ASTM D5185m	1500	<b>2362</b>	1447	1561
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	<b>0.78</b>	0.58	0.68
Visc @ 40°C	cSt	ASTM D445	65	<b>54.6</b>	61.8	57.0



Certificate L2367

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

Sample No. : WE0007375

Lab Number : 06195326

Unique Number : 11057449

Test Package : CONST ( Additional Tests: PQ )

Received : 30 May 2024

Tested : 31 May 2024

Diagnosed : 31 May 2024 - Wes Davis

WARRIOR TRACTOR AND EQUIPMENT - MONROEVILLE

66 INDUSTRIAL PARK DR

MONROEVILLE, AL

US 36460

Contact: SCOTT WILLIAMSON

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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)