



# OIL ANALYSIS REPORT

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

Area

**[G14873]**

Machine Id

**JOHN DEERE 14873**

Component

**Right Final Drive**

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>WE0007235</b>	---	---
Sample Date		Client Info		<b>16 Apr 2024</b>	---	---
Machine Age	hrs	Client Info		<b>2143</b>	---	---
Oil Age	hrs	Client Info		<b>0</b>	---	---
Filter Age	hrs	Client Info		<b>0</b>	---	---
Oil Changed		Client Info		<b>Not Changd</b>	---	---
Filter Changed		Client Info		<b>Not Changd</b>	---	---
Sample Status				<b>NORMAL</b>	---	---

## WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	<b>45</b>	---	---
Iron	ppm	ASTM D5185m	>750	<b>57</b>	---	---
Chromium	ppm	ASTM D5185m	>9	<b>&lt;1</b>	---	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Titanium	ppm	ASTM D5185m		<b>0</b>	---	---
Silver	ppm	ASTM D5185m		<b>0</b>	---	---
Aluminum	ppm	ASTM D5185m	>40	<b>1</b>	---	---
Lead	ppm	ASTM D5185m	>15	<b>0</b>	---	---
Copper	ppm	ASTM D5185m	>40	<b>2</b>	---	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	---	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	---	---

## CONTAMINATION

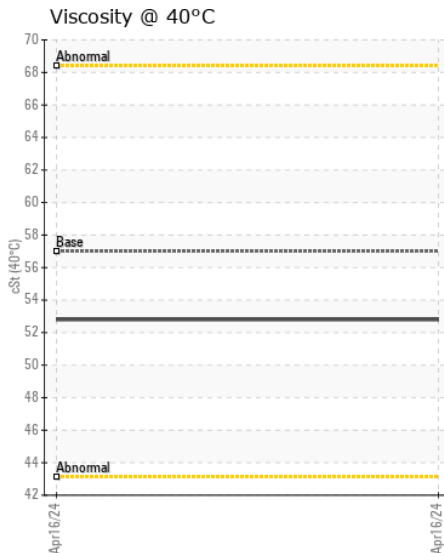
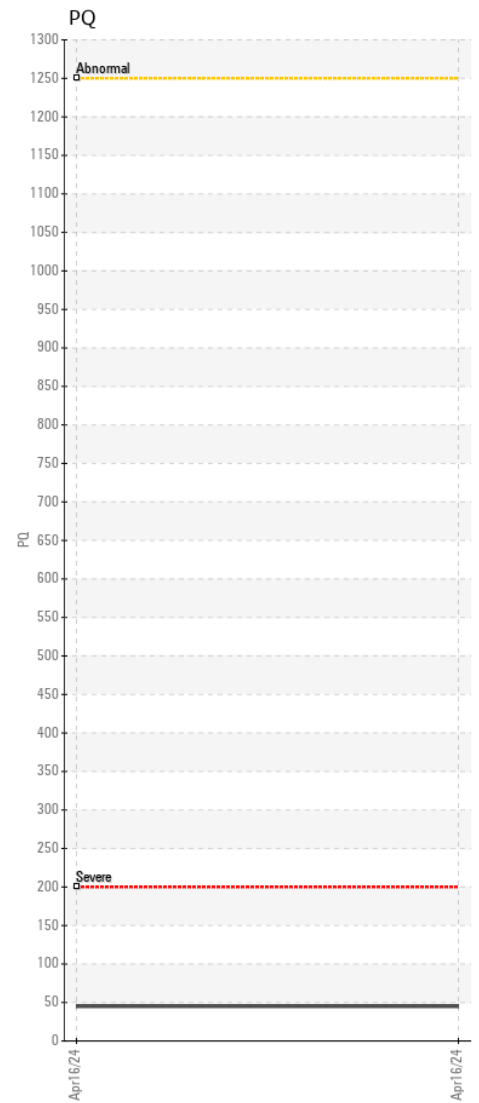
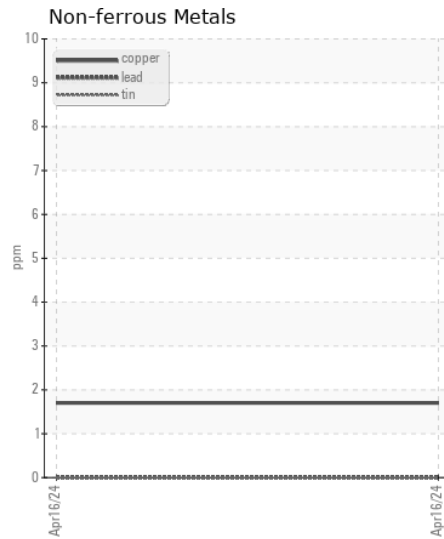
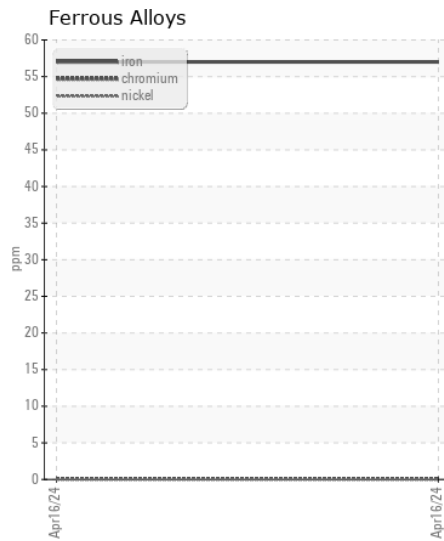
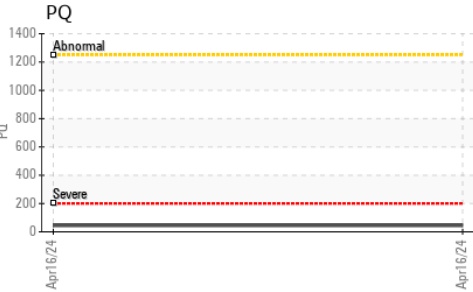
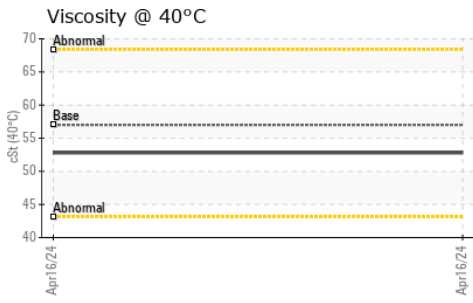
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>12</b>	---	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	---	---
Water		WC Method	>0.075	<b>NEG</b>	---	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Debris	scalar	*Visual	NONE	<b>NONE</b>	---	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	---	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	---	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	---	---
Emulsified Water	scalar	*Visual	>0.075	<b>NEG</b>	---	---

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	<b>0</b>	---	---
Boron	ppm	ASTM D5185m	6	<b>0</b>	---	---
Barium	ppm	ASTM D5185m	0	<b>0</b>	---	---
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	---	---
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	---	---
Magnesium	ppm	ASTM D5185m	145	<b>111</b>	---	---
Calcium	ppm	ASTM D5185m	3570	<b>3794</b>	---	---
Phosphorus	ppm	ASTM D5185m	1290	<b>1090</b>	---	---
Zinc	ppm	ASTM D5185m	1640	<b>1299</b>	---	---
Sulfur	ppm	ASTM D5185m		<b>3956</b>	---	---
Visc @ 40°C	cSt	ASTM D445	57.0	<b>52.8</b>	---	---



Certificate L2367

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

Sample No. : WE0007235

Lab Number : 06159398

Unique Number : 10994821

Test Package : CONST ( Additional Tests: PQ )

Received : 24 Apr 2024

Tested : 25 Apr 2024

Diagnosed : 25 Apr 2024 - Wes Davis

WARRIOR TRACTOR AND EQUIPMENT - GRAYSVILLE

4308 WATER TRAIL

GRAYSVILLE, AL

US 35073

Contact: BEN BYRKET

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T: (205)675-9045

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)