



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

Machine Id  
**JOHN DEERE 768L-II 1DW768LBCMF712062**

Component  
**Front Differential**

Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (33 QTS)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>JR0176983</b>	JR0161247	JR0110244
Sample Date		Client Info		<b>17 May 2024</b>	09 Feb 2024	12 Jan 2022
Machine Age	hrs	Client Info		<b>4675</b>	4470	502
Oil Age	hrs	Client Info		<b>0</b>	0	502
Filter Age	hrs	Client Info		<b>0</b>	0	502
Oil Changed		Client Info		<b>Not Changd</b>	Changed	Changed
Filter Changed		Client Info		<b>Not Changd</b>	Changed	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>22</b>	12	31
Iron	ppm	ASTM D5185m	>500	<b>24</b>	15	70
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>0</b>	0	2
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	2
Copper	ppm	ASTM D5185m	>100	<b>5</b>	4	14
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	<1
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

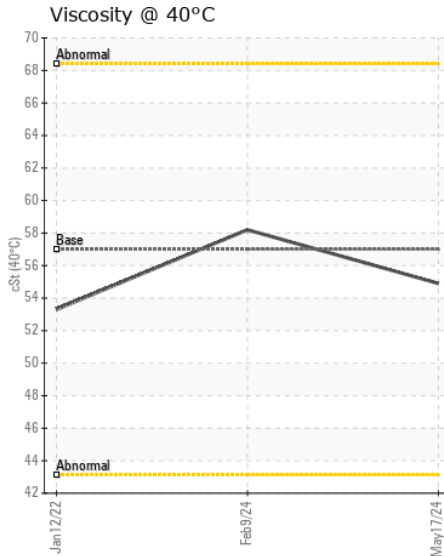
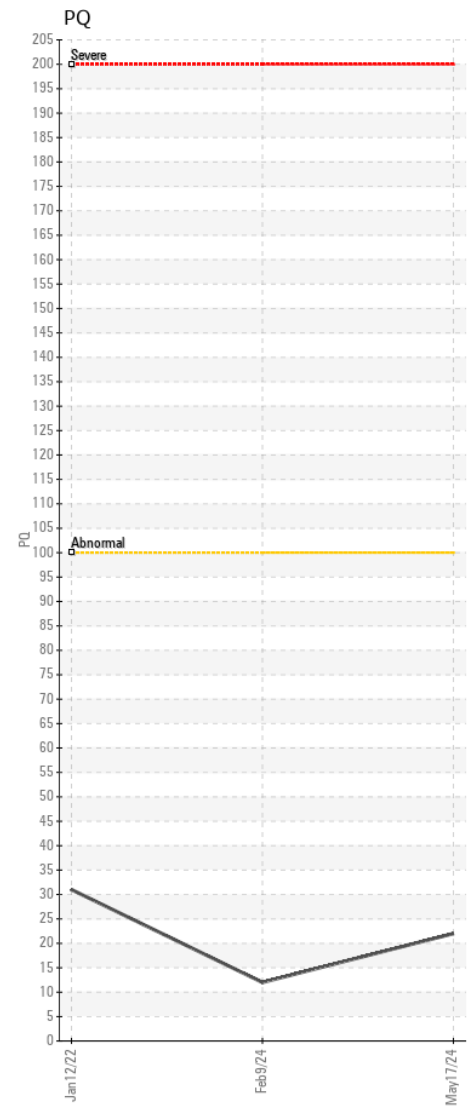
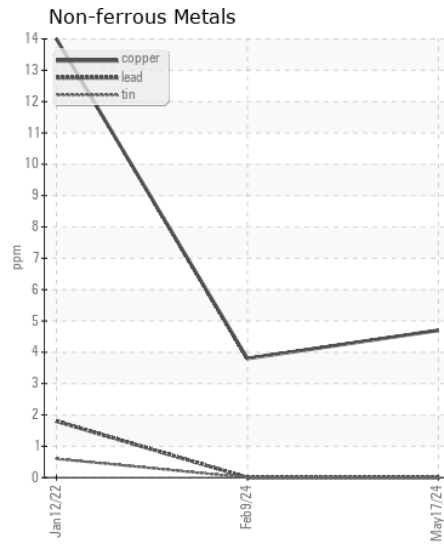
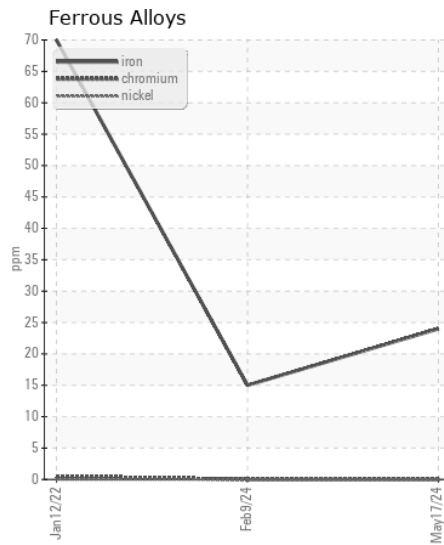
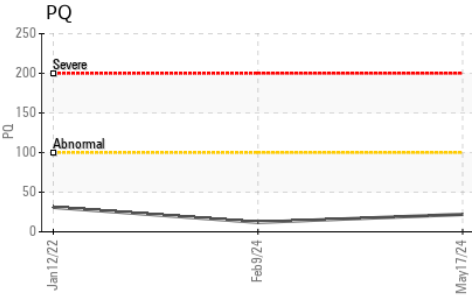
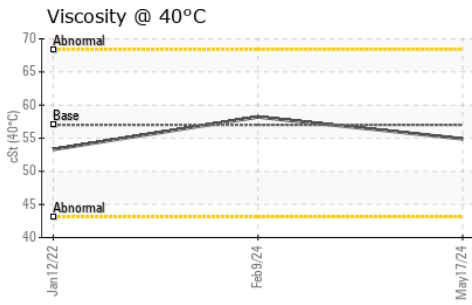
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	<b>6</b>	4	5
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	0	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 oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		<b>1</b>	<1	4
Boron	ppm	ASTM D5185m	6	<b>0</b>	0	18
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	3
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	0	<1
Manganese	ppm	ASTM D5185m		<b>0</b>	0	6
Magnesium	ppm	ASTM D5185m	145	<b>87</b>	94	105
Calcium	ppm	ASTM D5185m	3570	<b>3213</b>	3365	3358
Phosphorus	ppm	ASTM D5185m	1290	<b>989</b>	983	966
Zinc	ppm	ASTM D5185m	1640	<b>1102</b>	1289	1229
Sulfur	ppm	ASTM D5185m		<b>4094</b>	3695	3994
Visc @ 40°C	cSt	ASTM D445	57.0	<b>54.9</b>	58.2	53.3



Certificate L2367

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

**Sample No.** : JR0176983

**Lab Number** : 06186467

**Unique Number** : 11043219

**Test Package** : CONST ( Additional Tests: PQ )

**Received** : 21 May 2024

**Tested** : 22 May 2024

**Diagnosed** : 22 May 2024 - Wes Davis

**JRE - MOUNT GILEAD**

305 NORTH MAIN STREET

MOUNT GILEAD, NC

US 27306

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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)