



# OIL ANALYSIS REPORT

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



Area  
**Store 2 - Beaver [RO#148232]**  
Machine Id  
**JOHN DEERE 748L2 1DW748LBLPL717195**  
Component  
**Front Axle**  
Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (8 GAL)**

## RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0048638	---	---
Sample Date		Client Info		23 Feb 2024	---	---
Machine Age	hrs	Client Info		487	---	---
Oil Age	hrs	Client Info		487	---	---
Filter Age	hrs	Client Info		487	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				<b>NORMAL</b>	---	---

## WEAR

All component wear rates are normal.

PQ		ASTM D8184		29	---	---
Iron	ppm	ASTM D5185m	>750	101	---	---
Chromium	ppm	ASTM D5185m	>11	1	---	---
Nickel	ppm	ASTM D5185m	>10	<1	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>21	3	---	---
Lead	ppm	ASTM D5185m	>49	5	---	---
Copper	ppm	ASTM D5185m	>101	39	---	---
Tin	ppm	ASTM D5185m	>10	3	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

## CONTAMINATION

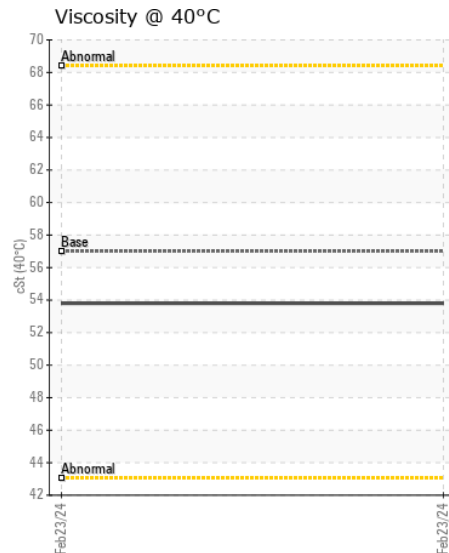
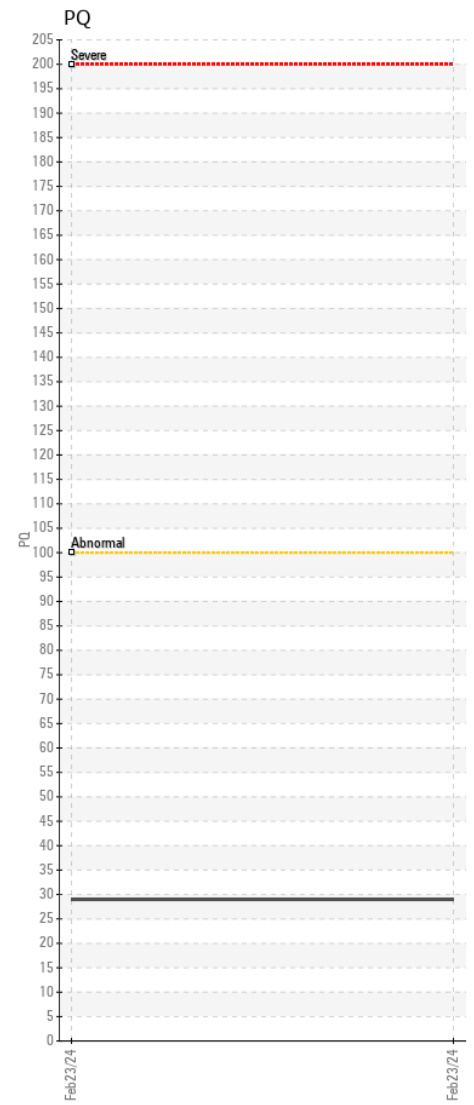
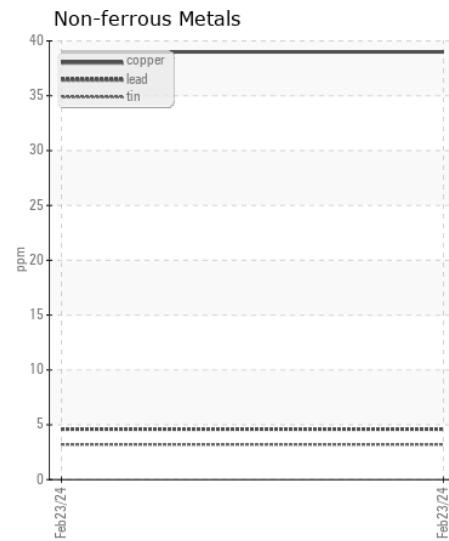
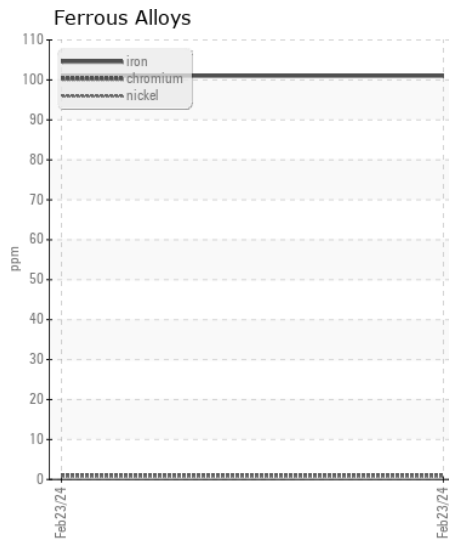
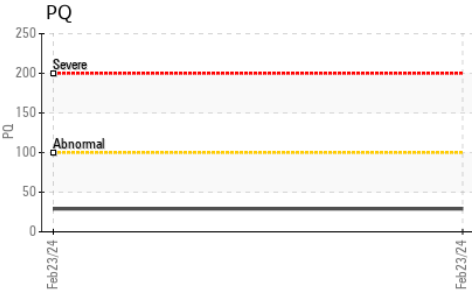
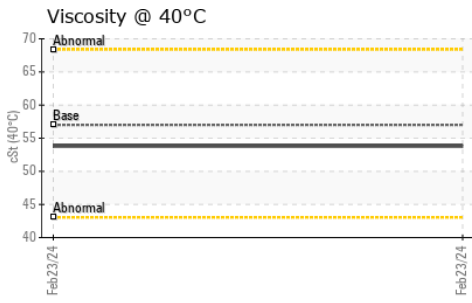
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	12	---	---
Potassium	ppm	ASTM D5185m	>20	4	---	---
Water		WC Method	>0.1	NEG	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---	---

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	9	---	---
Boron	ppm	ASTM D5185m	6	2	---	---
Barium	ppm	ASTM D5185m	0	8	---	---
Molybdenum	ppm	ASTM D5185m	0	2	---	---
Manganese	ppm	ASTM D5185m		5	---	---
Magnesium	ppm	ASTM D5185m	145	123	---	---
Calcium	ppm	ASTM D5185m	3570	4191	---	---
Phosphorus	ppm	ASTM D5185m	1290	1329	---	---
Zinc	ppm	ASTM D5185m	1640	1846	---	---
Sulfur	ppm	ASTM D5185m		5310	---	---
Visc @ 40°C	cSt	ASTM D445	57.0	53.8	---	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0048638 **Received** : 28 Feb 2024  
**Lab Number** : 06103277 **Tested** : 01 Mar 2024  
**Unique Number** : 10901507 **Diagnosed** : 01 Mar 2024 - Wes Davis  
**Test Package** : CONST ( Additional Tests: PQ )

**LESLIE EQUIPMENT COMPANY**  
 105 TENNIS CENTER DR.  
 MARIETTA, OH  
 US 45750-9765  
 Contact: LEANNE KENDALL  
 KendalLeanne@lec1.com

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)

T:  
 F: (740)373-5570