



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[A34439]
 Machine Id
JOHN DEERE 624L SIMS BARK (S/N 1DW624LTCKF696080)
 Component
Rear Differential
 Fluid
JOHN DEERE HYDRAU (5 GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: A34439)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WE0005947	---	---
Sample Date		Client Info		12 Feb 2024	---	---
Machine Age	hrs	Client Info		3845	---	---
Oil Age	hrs	Client Info		845	---	---
Filter Age	hrs	Client Info		845	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				ABNORMAL	---	---

WEAR

The lead level is abnormal. All other component wear rates are normal.

PQ		ASTM D8184		20	---	---
Iron	ppm	ASTM D5185m	>500	117	---	---
Chromium	ppm	ASTM D5185m	>10	<1	---	---
Nickel	ppm	ASTM D5185m	>10	<1	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>25	2	---	---
Lead	ppm	ASTM D5185m	>25	▲ 150	---	---
Copper	ppm	ASTM D5185m	>100	55	---	---
Tin	ppm	ASTM D5185m	>10	3	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

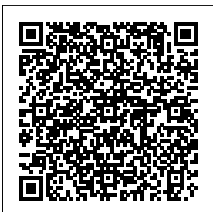
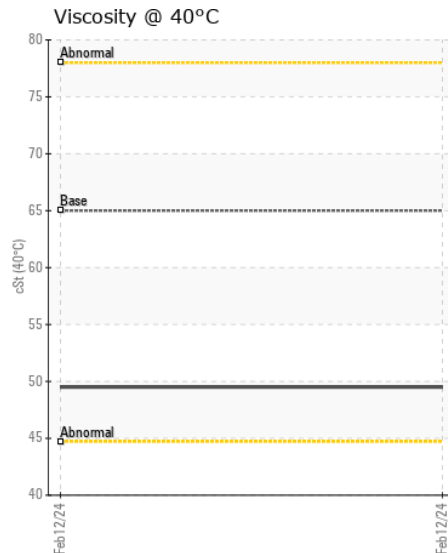
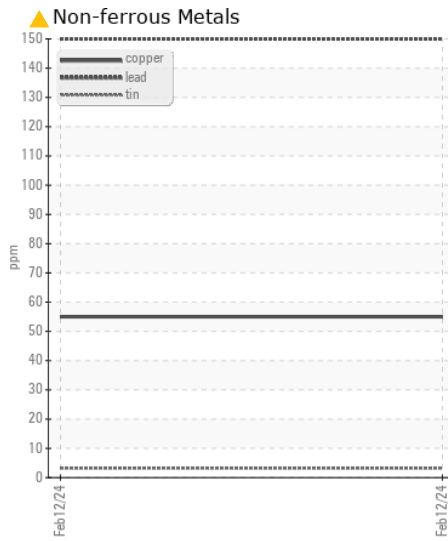
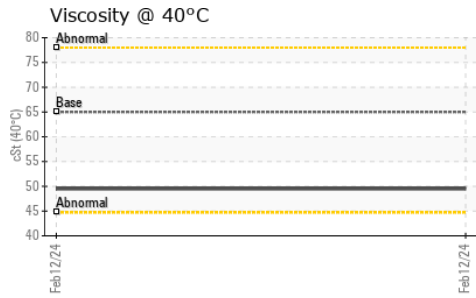
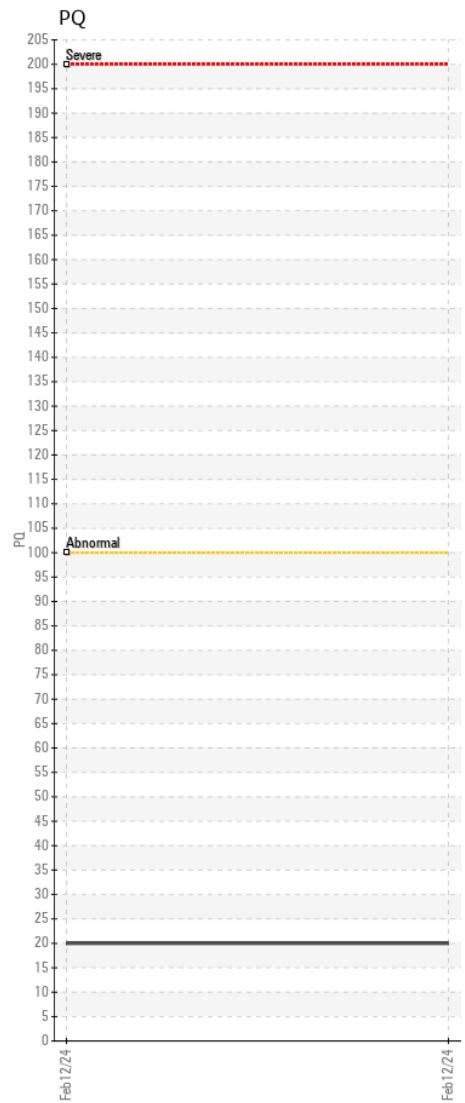
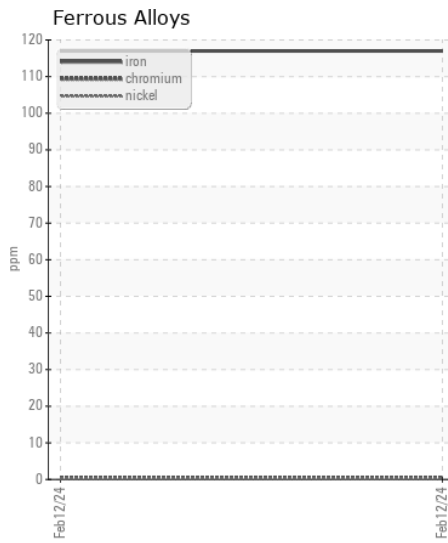
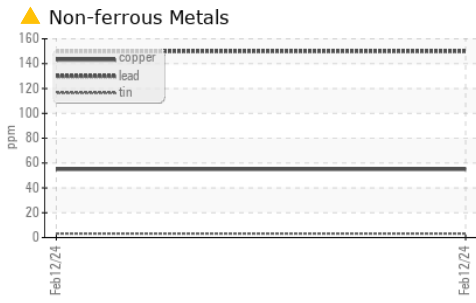
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	10	---	---
Potassium	ppm	ASTM D5185m	>20	2	---	---
Water		WC Method	>.2	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	>.2	NEG	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		1	---	---
Boron	ppm	ASTM D5185m		0	---	---
Barium	ppm	ASTM D5185m		13	---	---
Molybdenum	ppm	ASTM D5185m		<1	---	---
Manganese	ppm	ASTM D5185m		2	---	---
Magnesium	ppm	ASTM D5185m		93	---	---
Calcium	ppm	ASTM D5185m	87	3277	---	---
Phosphorus	ppm	ASTM D5185m	727	1172	---	---
Zinc	ppm	ASTM D5185m	900	1118	---	---
Sulfur	ppm	ASTM D5185m	1500	4594	---	---
Visc @ 40°C	cSt	ASTM D445	65	49.5	---	---



Certificate L2367

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

Sample No. : WE0005947

Lab Number : 06089121

Unique Number : 10876566

Test Package : CONST (Additional Tests: PQ)

Received : 14 Feb 2024

Tested : 15 Feb 2024

Diagnosed : 15 Feb 2024 - Don Baldrige

WARRIOR TRACTOR AND EQUIPMENT - HUNTSVILLE

25135 ONE AVIATION WAY SW

MADISON, AL

US 35756

Contact: BOBBY LUCKY

warriorparts033@gmail.com

T:

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)