



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[W21696-DIRECT AUTO]

Machine Id
JOHN DEERE 544L 1DW544LZHKF694295

Component
Rear Differential

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		JR0210804	JR0029872	---
Sample Date		Client Info		13 Apr 2024	25 Nov 2019	---
Machine Age	hrs	Client Info		3374	258	---
Oil Age	hrs	Client Info		0	258	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Changed	---
Filter Changed		Client Info		Not Changd	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		43	118	---
Iron	ppm	ASTM D5185m	>500	71	212	---
Chromium	ppm	ASTM D5185m	>10	<1	2	---
Nickel	ppm	ASTM D5185m	>10	1	2	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	2	1	---
Lead	ppm	ASTM D5185m	>25	2	4	---
Copper	ppm	ASTM D5185m	>100	8	23	---
Tin	ppm	ASTM D5185m	>10	<1	1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

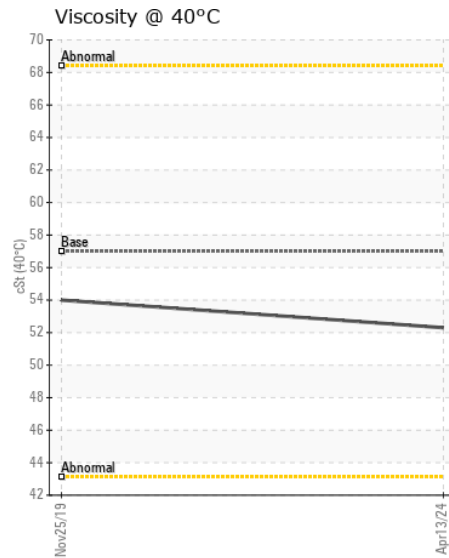
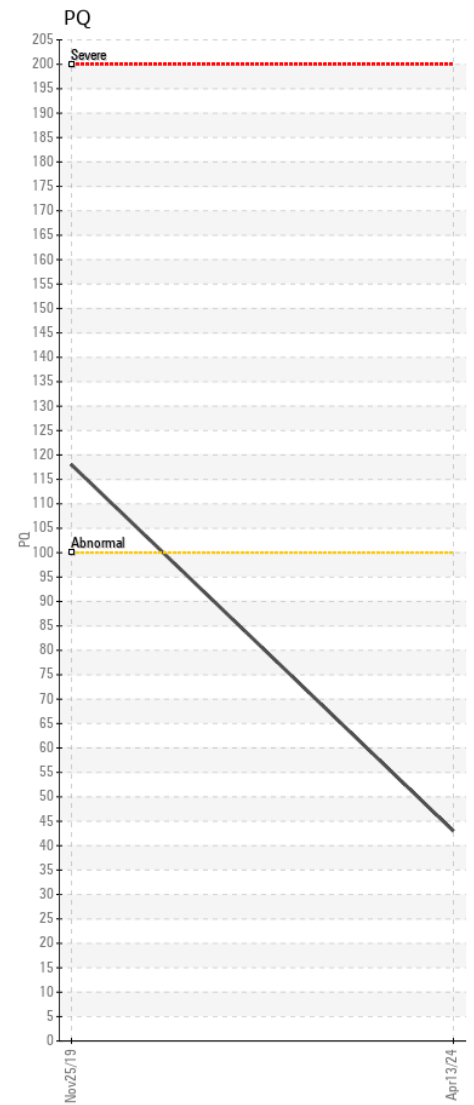
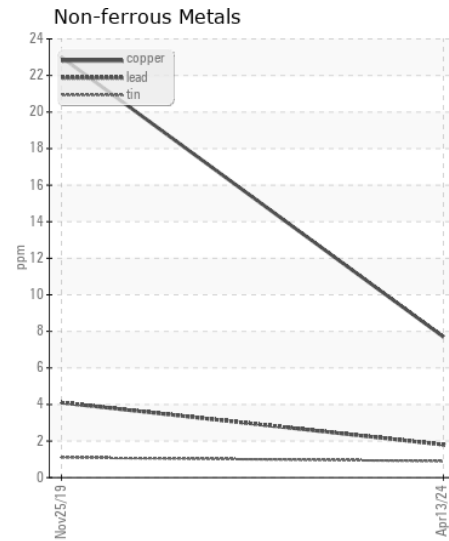
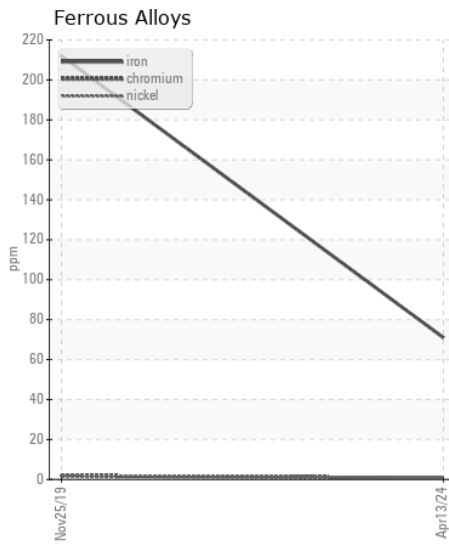
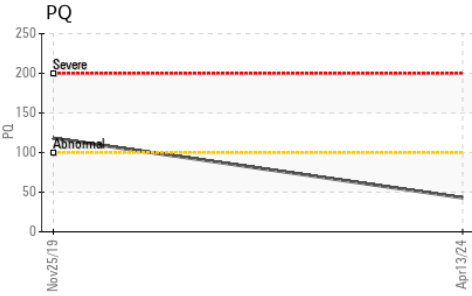
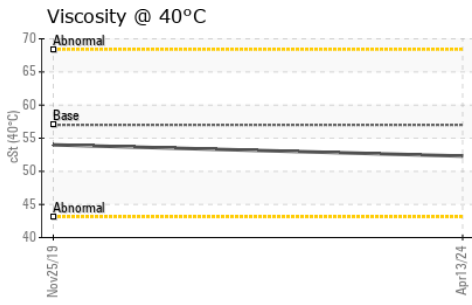
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	10	17	---
Potassium	ppm	ASTM D5185m	>20	2	3	---
Water		WC Method	>.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	LIGHT	---
Debris	scalar	*Visual	NONE	LIGHT	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>.2	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<1	7	---
Boron	ppm	ASTM D5185m	6	2	4	---
Barium	ppm	ASTM D5185m	0	0	3	---
Molybdenum	ppm	ASTM D5185m	0	2	0	---
Manganese	ppm	ASTM D5185m		1	8	---
Magnesium	ppm	ASTM D5185m	145	98	99	---
Calcium	ppm	ASTM D5185m	3570	3304	3432	---
Phosphorus	ppm	ASTM D5185m	1290	942	968	---
Zinc	ppm	ASTM D5185m	1640	1178	1079	---
Sulfur	ppm	ASTM D5185m		3411	1464	---
Visc @ 40°C	cSt	ASTM D445	57.0	52.3	54.0	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0210804 **Received** : 23 Apr 2024
Lab Number : 06158537 **Tested** : 25 Apr 2024
Unique Number : 10993960 **Diagnosed** : 25 Apr 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

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)

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