



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 544 P 1DW544PALMLZ12405
 Component
Rear Differential
 Fluid
TDH FLUID SAE 75W80 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0213701	JR0187081	---
Sample Date		Client Info		30 May 2024	01 Oct 2023	---
Machine Age	hrs	Client Info		1431	927	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		53	86	---
Iron	ppm	ASTM D5185m	>500	300	300	---
Chromium	ppm	ASTM D5185m	>10	<1	2	---
Nickel	ppm	ASTM D5185m	>10	<1	<1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	2	2	---
Lead	ppm	ASTM D5185m	>25	17	15	---
Copper	ppm	ASTM D5185m	>100	27	25	---
Tin	ppm	ASTM D5185m	>10	2	2	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

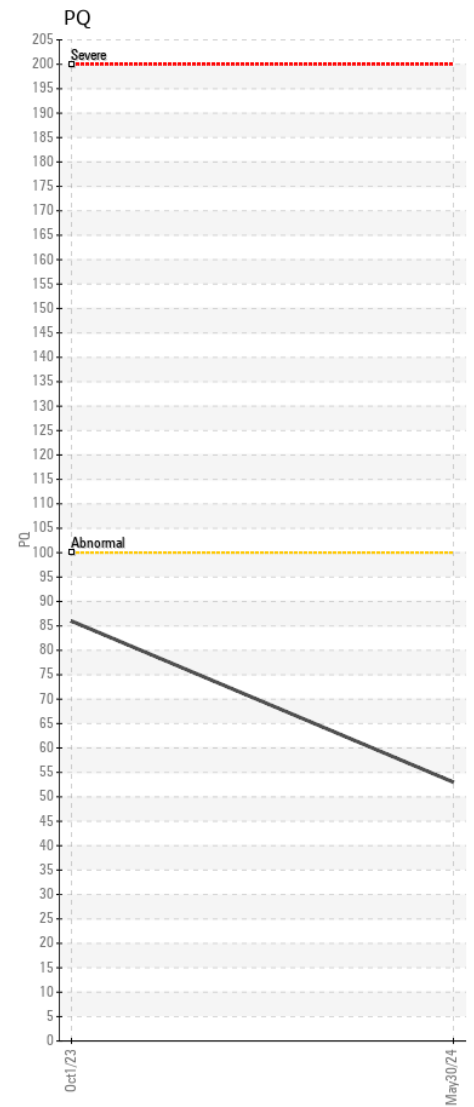
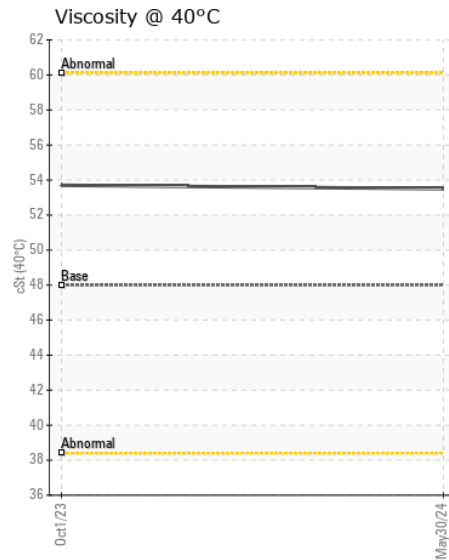
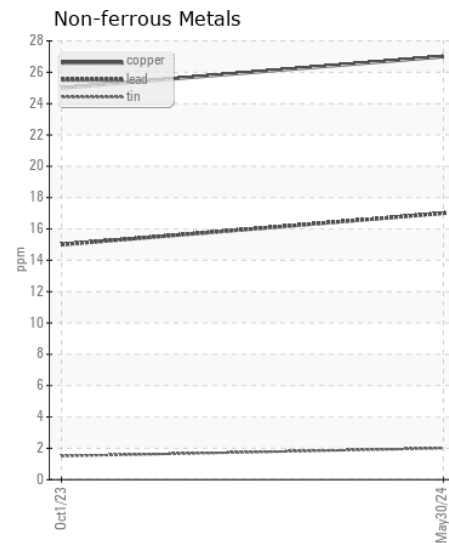
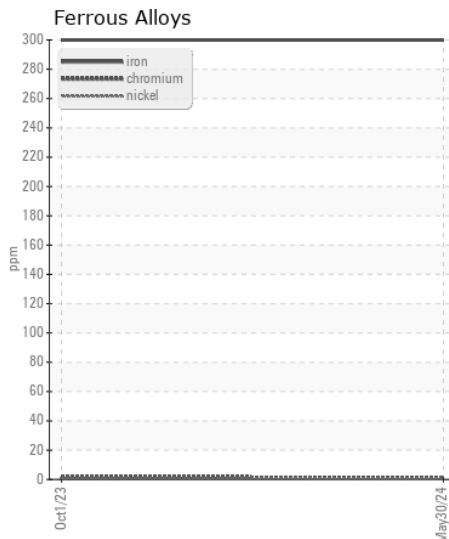
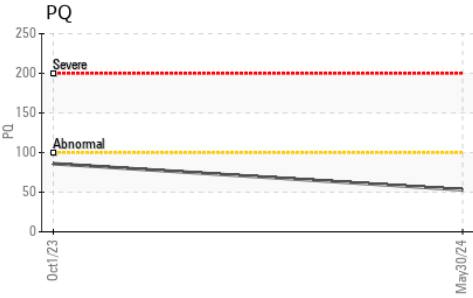
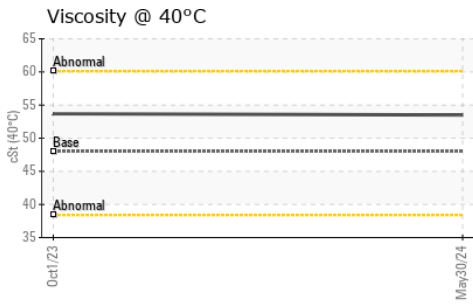
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	23	22	---
Potassium	ppm	ASTM D5185m	>20	<1	2	---
Water		WC Method	>.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	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		8	7	---
Boron	ppm	ASTM D5185m	10	18	7	---
Barium	ppm	ASTM D5185m	10	4	2	---
Molybdenum	ppm	ASTM D5185m	10	9	0	---
Manganese	ppm	ASTM D5185m		9	9	---
Magnesium	ppm	ASTM D5185m	100	115	100	---
Calcium	ppm	ASTM D5185m	3500	3434	3406	---
Phosphorus	ppm	ASTM D5185m	1150	1106	1017	---
Zinc	ppm	ASTM D5185m	1150	1232	1242	---
Sulfur	ppm	ASTM D5185m	5000	4177	3557	---
Visc @ 40°C	cSt	ASTM D445	48	53.5	53.7	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0213701 **Received** : 31 May 2024
Lab Number : 06196982 **Tested** : 03 Jun 2024
Unique Number : 11059105 **Diagnosed** : 03 Jun 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

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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)