



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[05W47447]

Machine Id

JOHN DEERE 844P 1DW844PACPLX07311

Component

Rear Differential

Fluid

JOHN DEERE HY-GARD HYD/TRANS (18 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0218252	JR0199316	---
Sample Date		Client Info		13 Jun 2024	08 Jan 2024	---
Machine Age	hrs	Client Info		954	439	---
Oil Age	hrs	Client Info		515	439	---
Filter Age	hrs	Client Info		515	439	---
Oil Changed		Client Info		Not Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Test	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		69	242	---
Iron	ppm	ASTM D5185m	>500	120	328	---
Chromium	ppm	ASTM D5185m	>10	<1	2	---
Nickel	ppm	ASTM D5185m	>10	<1	3	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	1	2	---
Lead	ppm	ASTM D5185m	>25	3	3	---
Copper	ppm	ASTM D5185m	>100	79	160	---
Tin	ppm	ASTM D5185m	>10	3	9	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

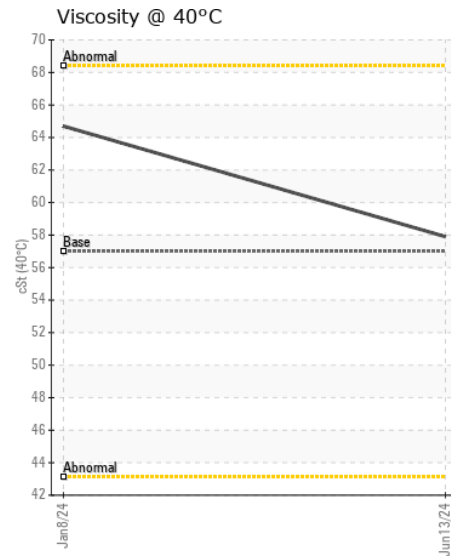
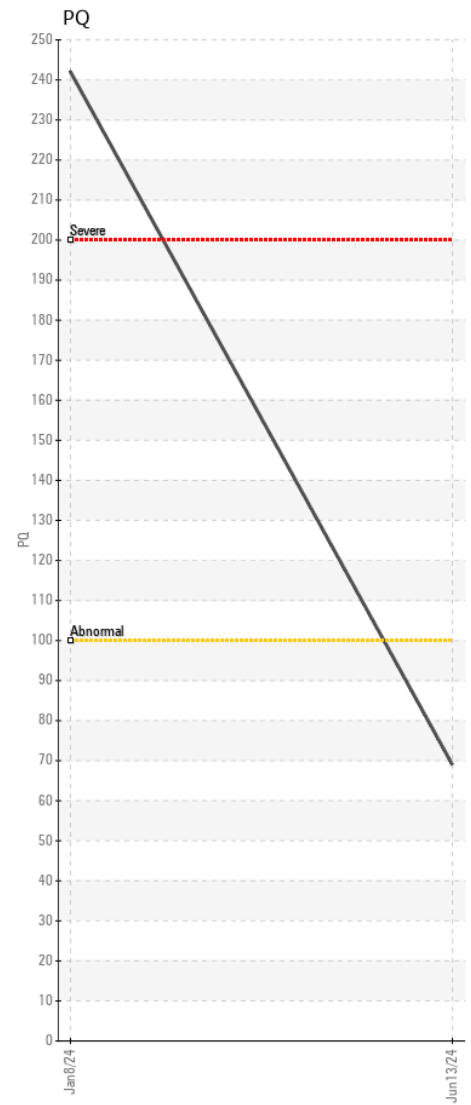
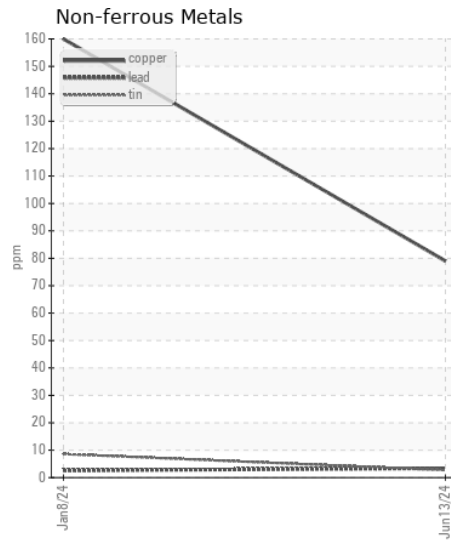
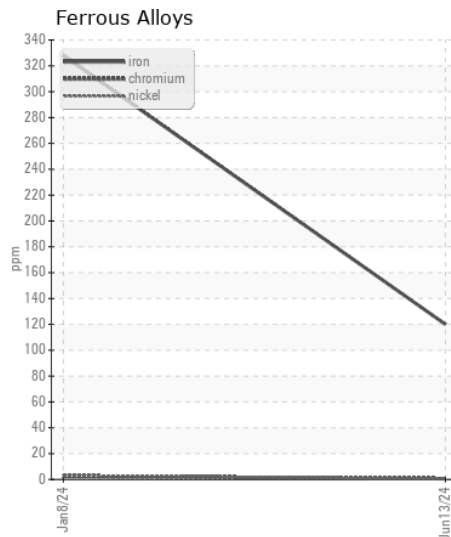
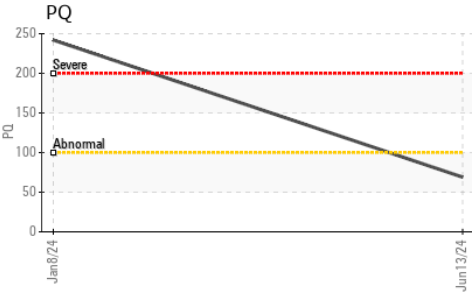
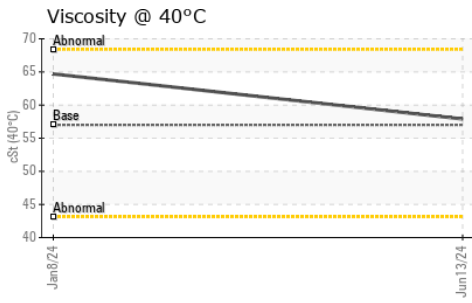
There is no indication of any contamination in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m	>75	7	12	---
Potassium	ppm	ASTM D5185m	>20	<1	<1	---
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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185m		4	16	---
Boron	ppm	ASTM D5185m	6	25	104	---
Barium	ppm	ASTM D5185m	0	0	0	---
Molybdenum	ppm	ASTM D5185m	0	6	0	---
Manganese	ppm	ASTM D5185m		17	63	---
Magnesium	ppm	ASTM D5185m	145	88	16	---
Calcium	ppm	ASTM D5185m	3570	3007	3363	---
Phosphorus	ppm	ASTM D5185m	1290	950	1259	---
Zinc	ppm	ASTM D5185m	1640	1219	1418	---
Sulfur	ppm	ASTM D5185m		3680	3226	---
Visc @ 40°C	cSt	ASTM D445	57.0	57.9	64.7	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0218252 **Received** : 14 Jun 2024
Lab Number : 06210943 **Tested** : 17 Jun 2024
Unique Number : 11083807 **Diagnosed** : 17 Jun 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

JRE - MANASSAS PARK
 9107 OWENS DRIVE
 MANASSAS PARK, VA
 US 20111

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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)