



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 624 P 1DW624PACPLX19142
 Component
Front Axle
 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		JR0218444	JR0199389	---
Sample Date		Client Info		14 Jun 2024	14 Feb 2024	---
Machine Age	hrs	Client Info		474	474	---
Oil Age	hrs	Client Info		474	474	---
Filter Age	hrs	Client Info		474	0	---
Oil Changed		Client Info		Not Chngd	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		22	13	---
Iron	ppm	ASTM D5185m	>750	36	41	---
Chromium	ppm	ASTM D5185m	>11	<1	<1	---
Nickel	ppm	ASTM D5185m	>10	0	0	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>21	2	<1	---
Lead	ppm	ASTM D5185m	>49	23	9	---
Copper	ppm	ASTM D5185m	>101	45	70	---
Tin	ppm	ASTM D5185m	>10	0	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

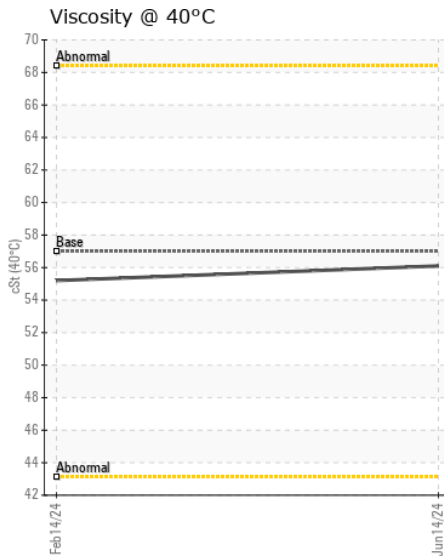
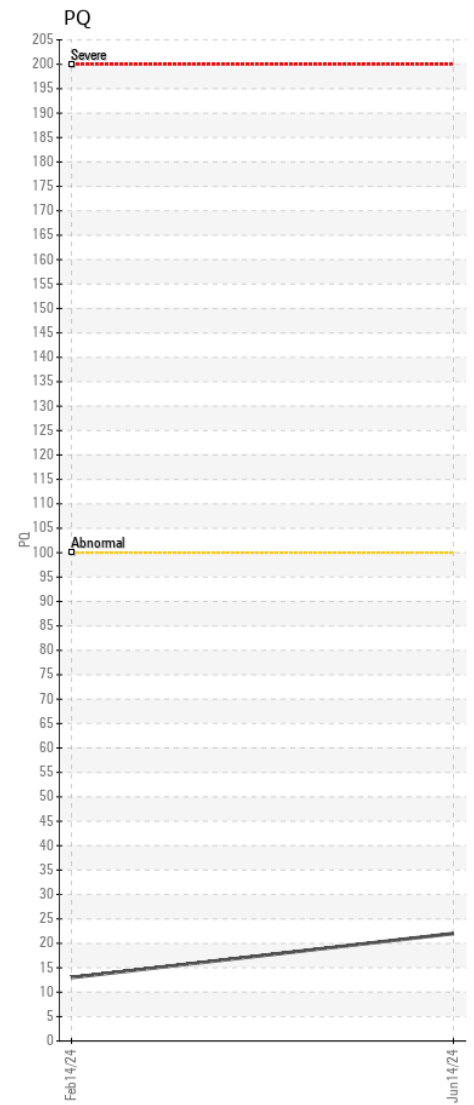
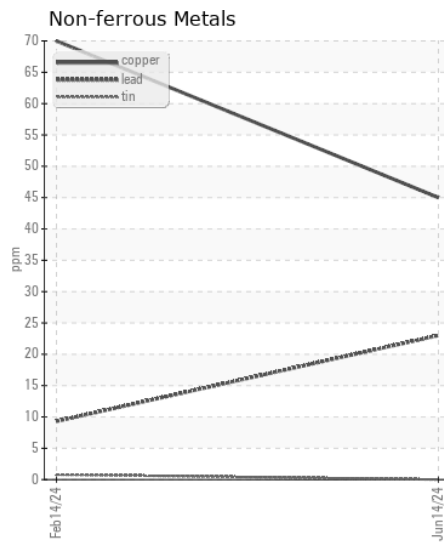
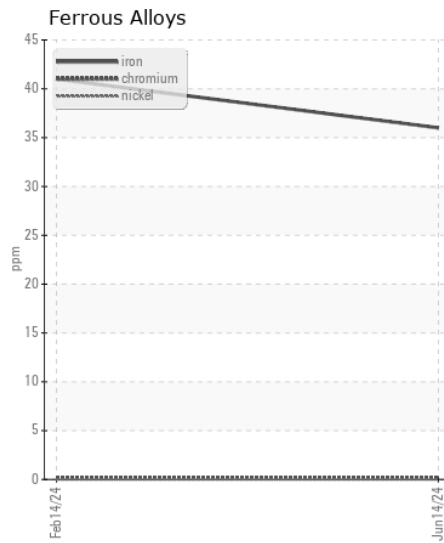
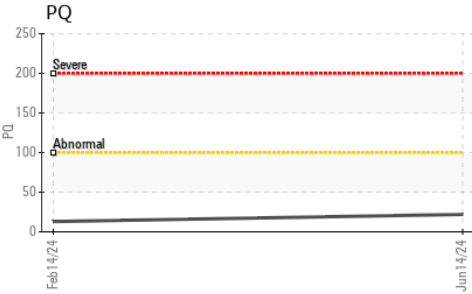
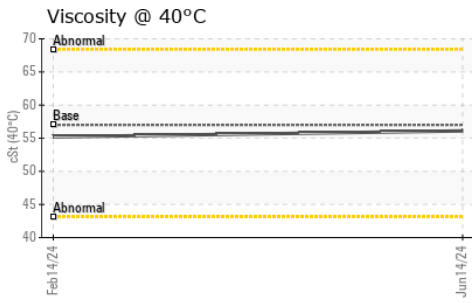
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	4	6	---
Potassium	ppm	ASTM D5185m	>20	2	4	---
Water		WC Method	>0.1	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	>0.1	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	0	8	---
Boron	ppm	ASTM D5185m	6	10	4	---
Barium	ppm	ASTM D5185m	0	0	5	---
Molybdenum	ppm	ASTM D5185m	0	4	0	---
Manganese	ppm	ASTM D5185m		<1	3	---
Magnesium	ppm	ASTM D5185m	145	108	101	---
Calcium	ppm	ASTM D5185m	3570	3271	3320	---
Phosphorus	ppm	ASTM D5185m	1290	1027	1005	---
Zinc	ppm	ASTM D5185m	1640	1205	1201	---
Sulfur	ppm	ASTM D5185m		4009	3630	---
Visc @ 40°C	cSt	ASTM D445	57.0	56.1	55.2	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0218444 **Received** : 18 Jun 2024
Lab Number : 06213825 **Tested** : 20 Jun 2024
Unique Number : 11086689 **Diagnosed** : 20 Jun 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

JRE - MANASSAS PARK
 9107 OWENS DRIVE
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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)