



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[W8924]

Machine Id

JOHN DEERE 904P 1DW904PAHPLX06066

Component

Rear Differential

Fluid

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

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: W8924)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0196846	JR0202643	---
Sample Date		Client Info		21 May 2024	24 Jan 2024	---
Machine Age	hrs	Client Info		1465	928	---
Oil Age	hrs	Client Info		1465	928	---
Filter Age	hrs	Client Info		1465	0	---
Oil Changed		Client Info		Not Changed	Not Changed	---
Filter Changed		Client Info		Not Changed	Changed	---
Sample Status				ABNORMAL	ABNORMAL	---

WEAR

The copper level is abnormal. All other metal levels are typical for a new component breaking in.

PQ		ASTM D8184		258	250	---
Iron	ppm	ASTM D5185m	>500	415	289	---
Chromium	ppm	ASTM D5185m	>10	4	2	---
Nickel	ppm	ASTM D5185m	>10	6	4	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>25	2	1	---
Lead	ppm	ASTM D5185m	>25	14	7	---
Copper	ppm	ASTM D5185m	>100	▲ 381	▲ 213	---
Tin	ppm	ASTM D5185m	>10	10	6	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

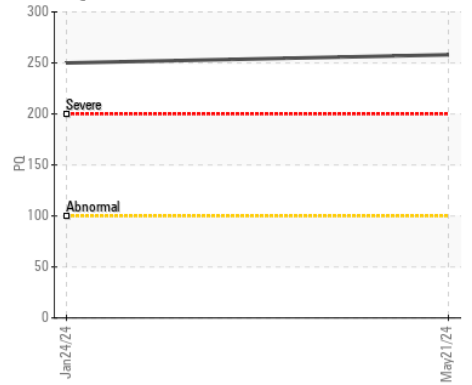
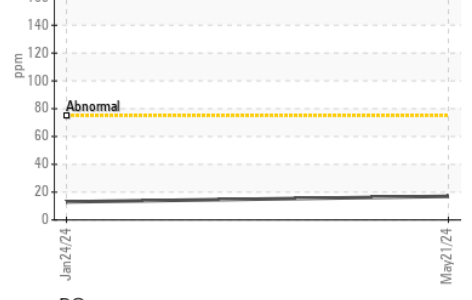
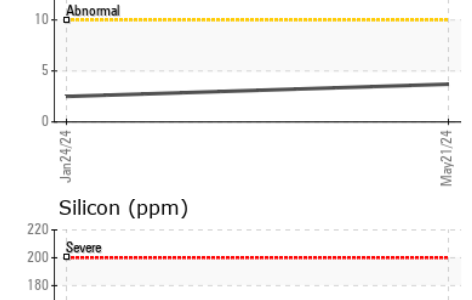
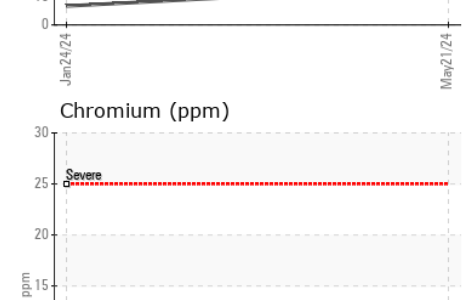
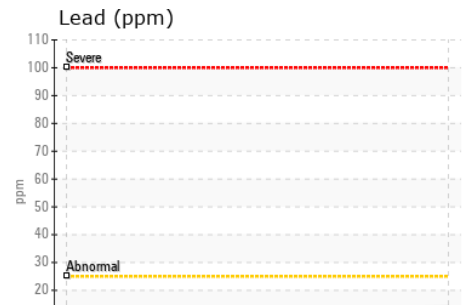
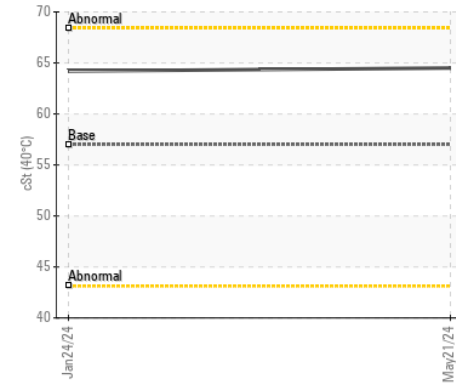
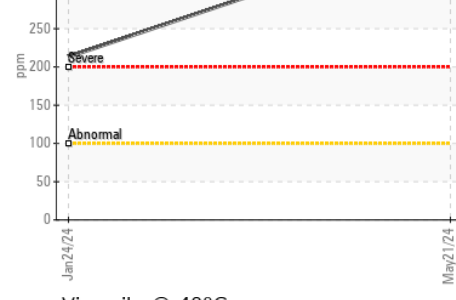
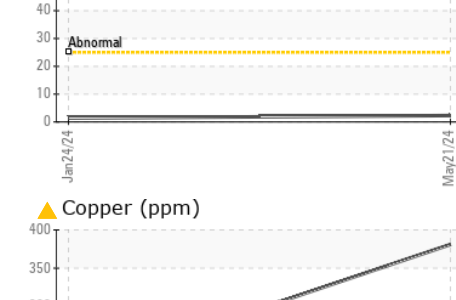
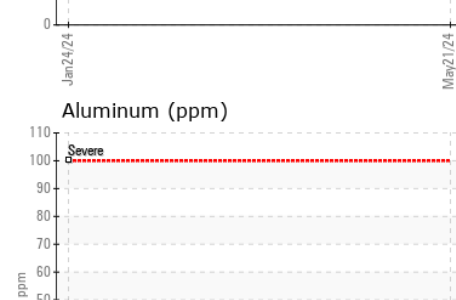
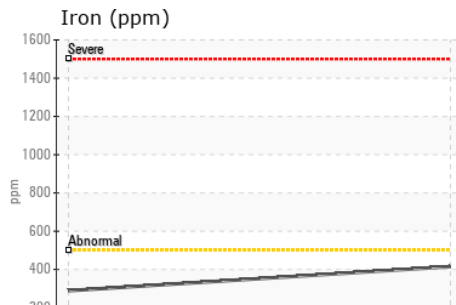
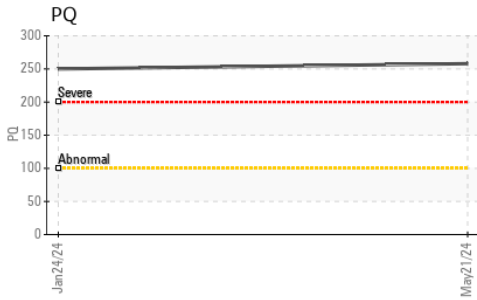
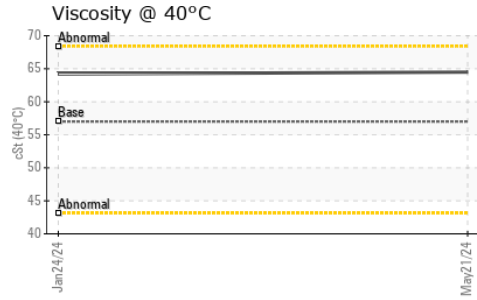
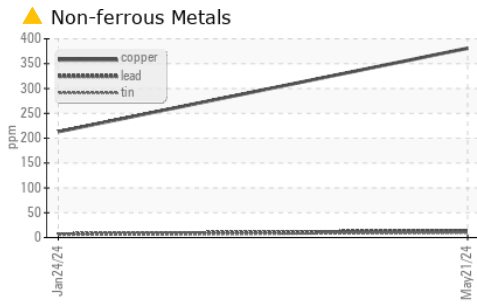
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	17	13	---
Potassium	ppm	ASTM D5185m	>20	3	3	---
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		19	11	---
Boron	ppm	ASTM D5185m	6	133	118	---
Barium	ppm	ASTM D5185m	0	<1	0	---
Molybdenum	ppm	ASTM D5185m	0	<1	<1	---
Manganese	ppm	ASTM D5185m		99	86	---
Magnesium	ppm	ASTM D5185m	145	12	11	---
Calcium	ppm	ASTM D5185m	3570	3687	3445	---
Phosphorus	ppm	ASTM D5185m	1290	1191	1094	---
Zinc	ppm	ASTM D5185m	1640	1557	1456	---
Sulfur	ppm	ASTM D5185m		3733	3710	---
Visc @ 40°C	cSt	ASTM D445	57.0	64.5	64.2	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0196846 **Received** : 23 May 2024
Lab Number : 06189522 **Tested** : 25 May 2024
Unique Number : 11046274 **Diagnosed** : 28 May 2024 - Don Baldrige
Test Package : MOBCE (Additional Tests: PQ)

LUCK STONE - MANAKIN SABOT
 PO BOX 128
 MANAKIN SABOT, VA
 US 23103
 Contact: SERVICE MANAGER

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)

T: (804)784-3081