



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[W8924]

Machine Id

JOHN DEERE 904P 1DW904PAHPLX06066

Component

Hydraulic System

Fluid

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

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W8924)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0196843	JR0202641	---
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 Changd	Not Changd	---
Filter Changed		Client Info		Not Changd	Not Changd	---
Sample Status				NORMAL	ATTENTION	---

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>20	4	2	---
Chromium	ppm	ASTM D5185m	>10	<1	0	---
Nickel	ppm	ASTM D5185m	>10	0	0	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>10	<1	0	---
Lead	ppm	ASTM D5185m	>10	<1	<1	---
Copper	ppm	ASTM D5185m	>75	5	5	---
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

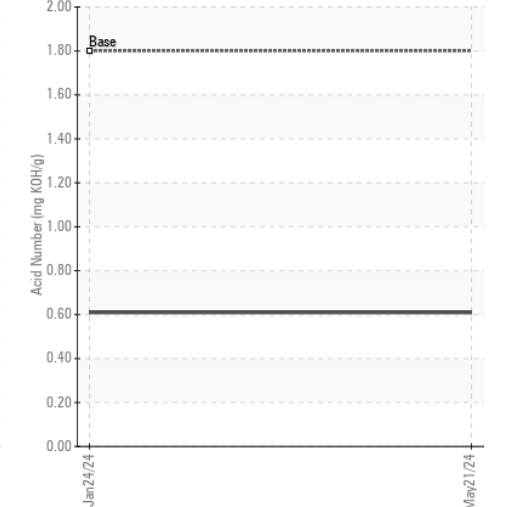
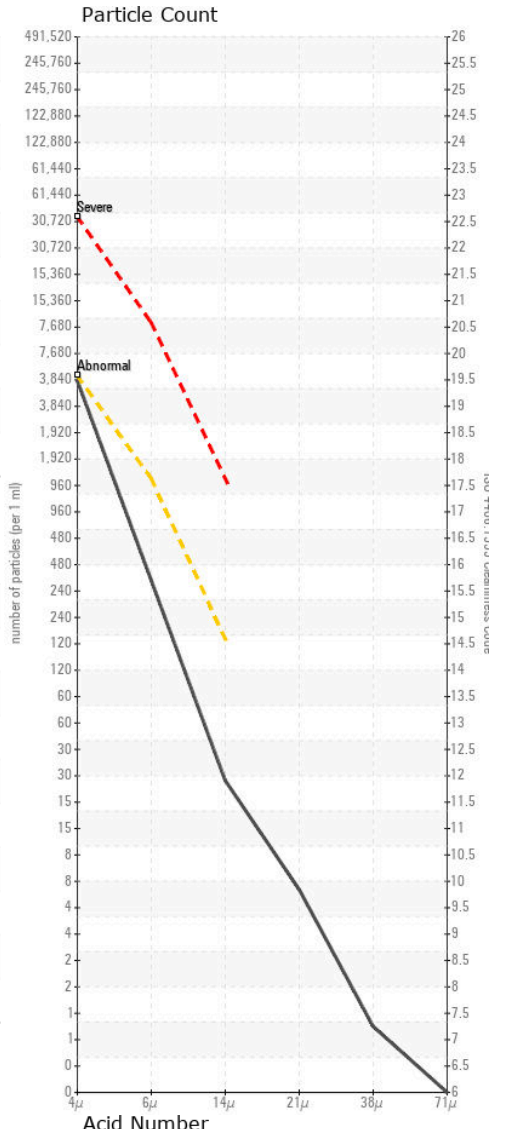
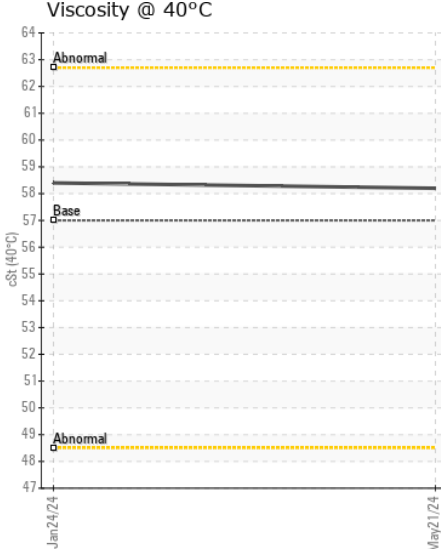
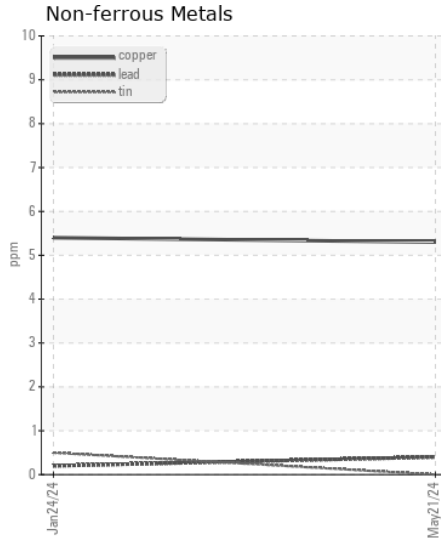
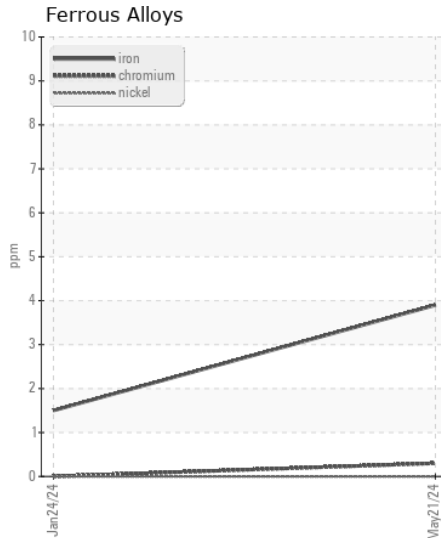
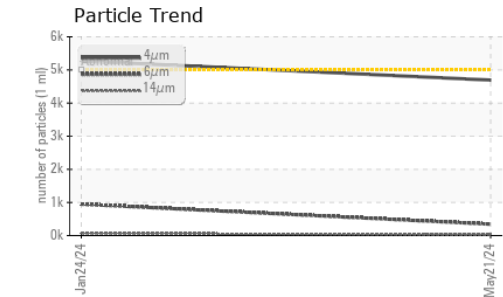
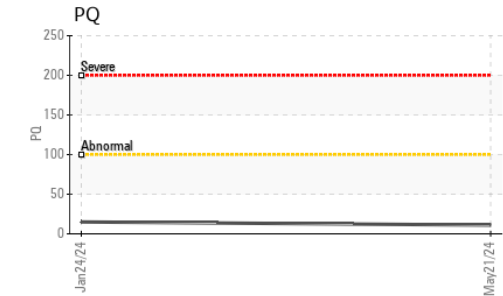
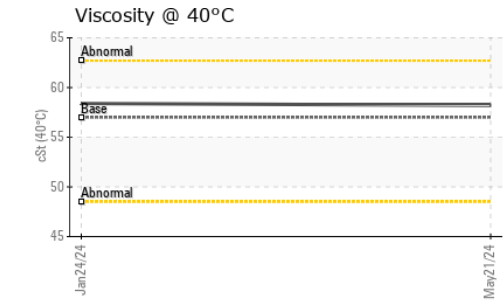
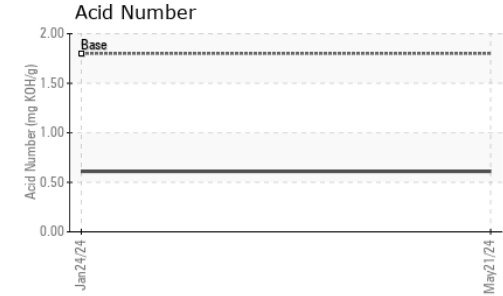
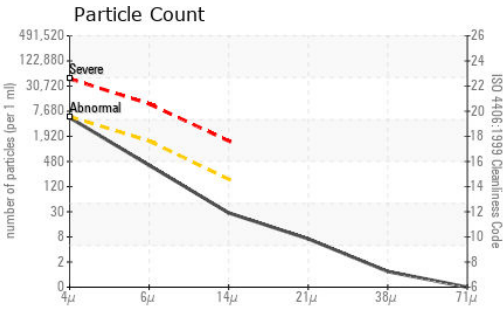
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>20	4	4	---
Potassium	ppm	ASTM D5185m	>20	3	2	---
Water		WC Method	>0.1	NEG	NEG	---
Particles >4µm		ASTM D7647	>5000	4693	5272	---
Particles >6µm		ASTM D7647	>1300	343	948	---
Particles >14µm		ASTM D7647	>160	25	67	---
Particles >21µm		ASTM D7647	>40	6	20	---
Particles >38µm		ASTM D7647	>10	1	1	---
Particles >71µm		ASTM D7647	>3	0	0	---
Oil Cleanliness		ISO 4406 (c)	>19/17/14	19/16/12	20/17/13	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	LIGHT	---
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 AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		4	2	---
Boron	ppm	ASTM D5185m	6	1	0	---
Barium	ppm	ASTM D5185m	0	0	0	---
Molybdenum	ppm	ASTM D5185m	0	3	0	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m	145	11	2	---
Calcium	ppm	ASTM D5185m	3570	414	90	---
Phosphorus	ppm	ASTM D5185m	1290	731	667	---
Zinc	ppm	ASTM D5185m	1640	935	835	---
Sulfur	ppm	ASTM D5185m		2383	1603	---
Acid Number (AN)	mg KOH/g	ASTM D8045	1.8	0.61	0.61	---
Visc @ 40°C	cSt	ASTM D445	57.0	58.2	58.4	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0196843 **Received** : 23 May 2024
Lab Number : 06189111 **Tested** : 24 May 2024
Unique Number : 11045863 **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:
 F: (804)784-3081