



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
M09-0912 M09-0912
 Component
Rear Left Final Drive
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- QTS)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0211439	JR0124656	---
Sample Date		Client Info		09 Jul 2024	10 Oct 2022	---
Machine Age	hrs	Client Info		5041	1566	---
Oil Age	hrs	Client Info		1000	1566	---
Filter Age	hrs	Client Info		1000	1566	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Not Changd	Changed	---
Sample Status				ABNORMAL	ABNORMAL	---

WEAR

The copper level is abnormal. All other component wear rates are normal.

PQ		ASTM D8184		19	12	---
Iron	ppm	ASTM D5185m	>500	10	21	---
Chromium	ppm	ASTM D5185m	>10	<1	0	---
Nickel	ppm	ASTM D5185m	>10	<1	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	2	<1	---
Lead	ppm	ASTM D5185m	>25	2	<1	---
Copper	ppm	ASTM D5185m	>50	▲ 76	▲ 133	---
Tin	ppm	ASTM D5185m	>10	<1	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

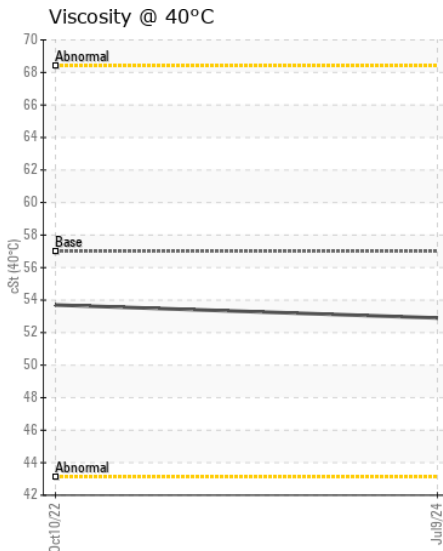
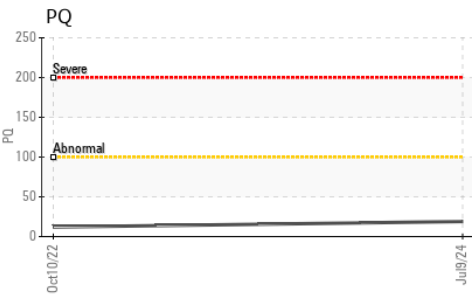
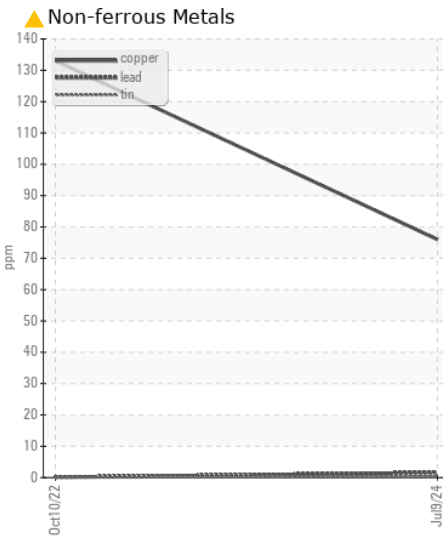
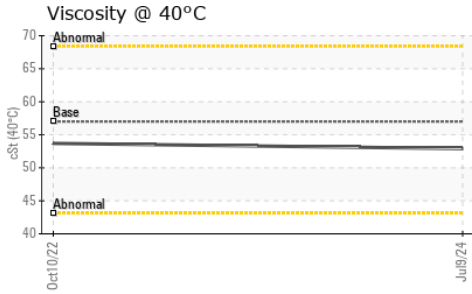
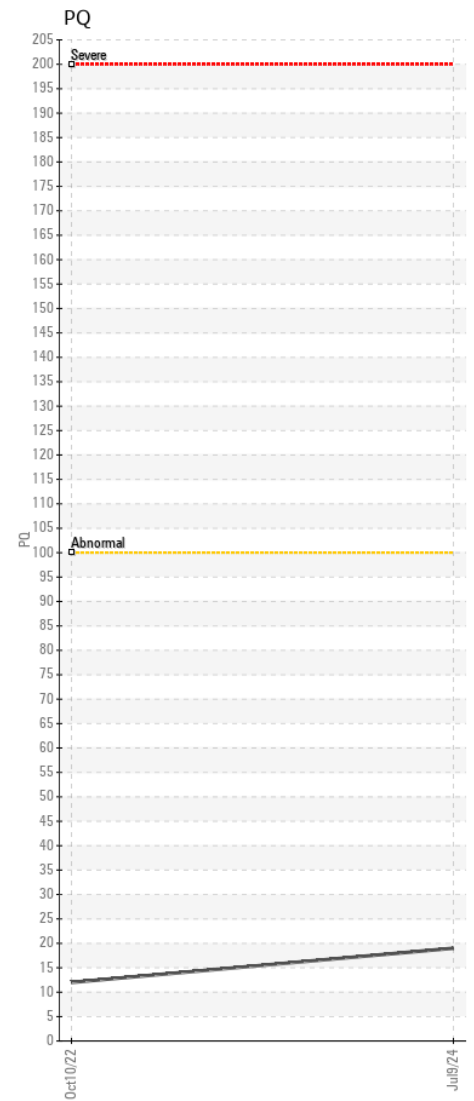
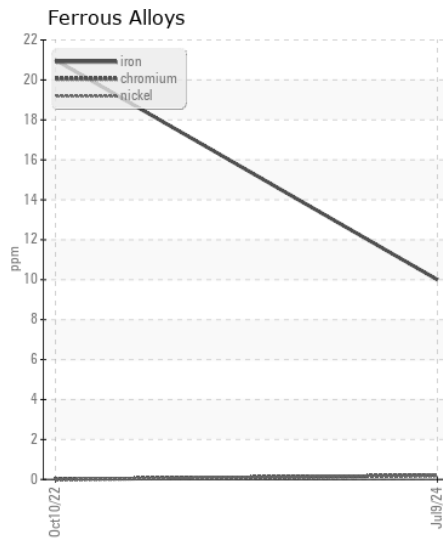
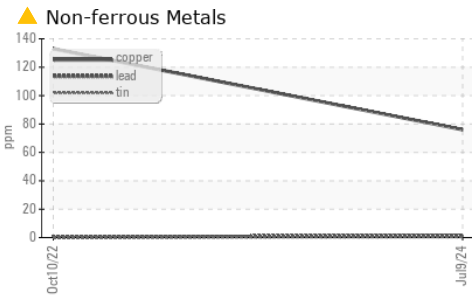
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	11	22	---
Potassium	ppm	ASTM D5185m	>20	2	2	---
Water		WC Method	>0.2	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	>0.2	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		0	0	---
Boron	ppm	ASTM D5185m	6	2	2	---
Barium	ppm	ASTM D5185m	0	0	0	---
Molybdenum	ppm	ASTM D5185m	0	<1	<1	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m	145	96	91	---
Calcium	ppm	ASTM D5185m	3570	3406	3269	---
Phosphorus	ppm	ASTM D5185m	1290	1094	1013	---
Zinc	ppm	ASTM D5185m	1640	1256	1222	---
Sulfur	ppm	ASTM D5185m		3542	3929	---
Visc @ 40°C	cSt	ASTM D445	57.0	52.9	53.7	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0211439 **Received** : 15 Jul 2024
Lab Number : 06236450 **Tested** : 16 Jul 2024
Unique Number : 11125284 **Diagnosed** : 17 Jul 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

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)

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