



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 650K 1T0650KKCJF334869
Component
Right Final Drive
Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0199432	JR0022202	---
Sample Date		Client Info		18 Dec 2023	05 Aug 2019	---
Machine Age	hrs	Client Info		4065	611	---
Oil Age	hrs	Client Info		0	611	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Not Changed	---
Filter Changed		Client Info		Changed	N/A	---
Sample Status				ABNORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	29	30	---
Iron	ppm	ASTM D5185m	>750	101	54	---
Chromium	ppm	ASTM D5185m	>9	1	1	---
Nickel	ppm	ASTM D5185m	>10	0	0	---
Titanium	ppm	ASTM D5185m		0	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>40	2	4	---
Lead	ppm	ASTM D5185m	>15	0	3	---
Copper	ppm	ASTM D5185m	>40	<1	<1	---
Tin	ppm	ASTM D5185m	>10	0	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

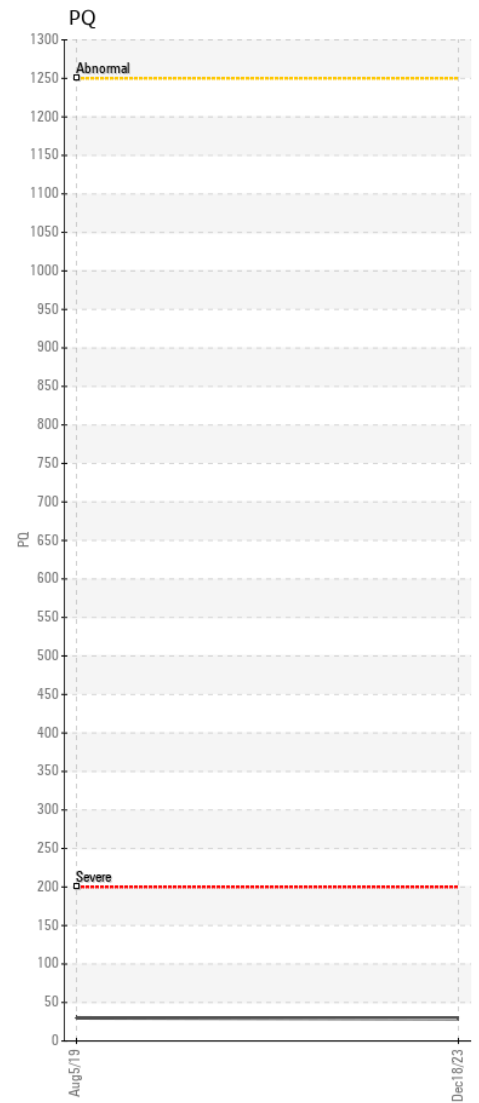
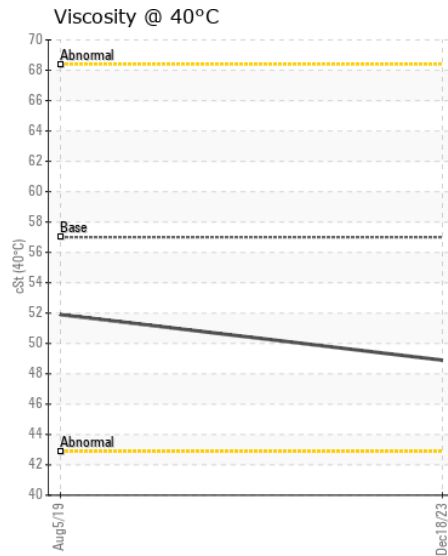
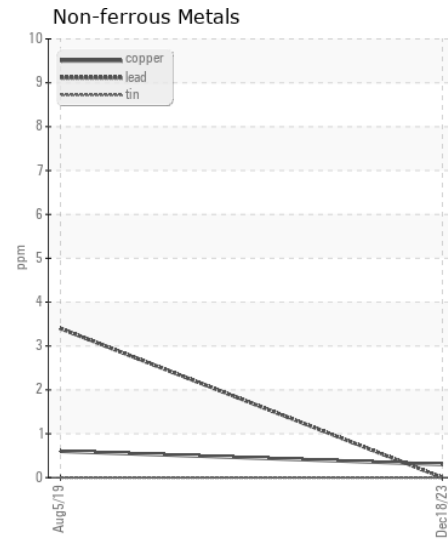
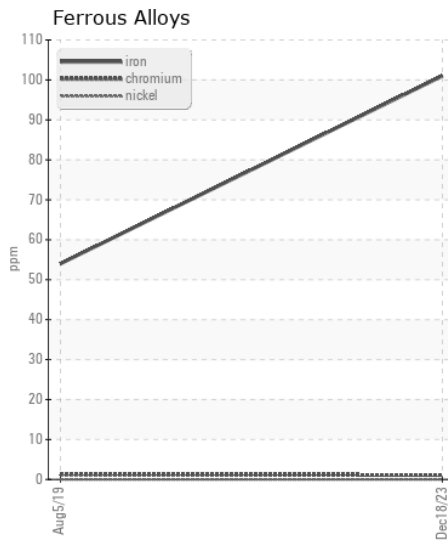
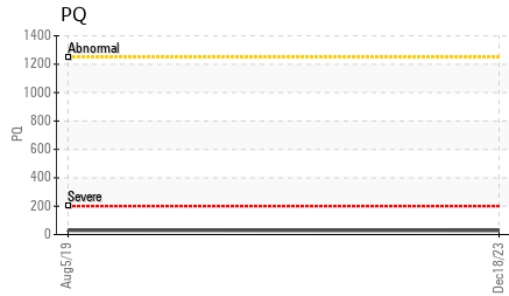
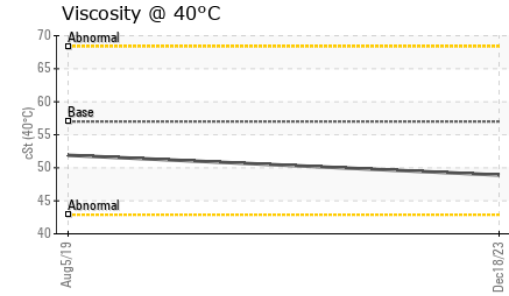
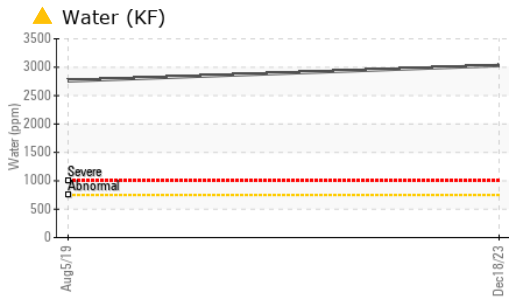
There is a light concentration of water present in the oil.

Silicon	ppm	ASTM D5185m	>75	10	8	---
Potassium	ppm	ASTM D5185m	>20	16	8	---
Water	%	ASTM D6304	>0.075	▲ 0.303	▲ 0.276	---
ppm Water	ppm	ASTM D6304	>750	▲ 3030	▲ 2760	---
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	>0.075	▲ 0.2%	▲ 0.2%	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	8	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		4	2	---
Magnesium	ppm	ASTM D5185m	145	97	95	---
Calcium	ppm	ASTM D5185m	3570	3397	3442	---
Phosphorus	ppm	ASTM D5185m	1290	1090	1054	---
Zinc	ppm	ASTM D5185m	1640	1251	1277	---
Sulfur	ppm	ASTM D5185m		4115	3565	---
Visc @ 40°C	cSt	ASTM D445	57.0	48.9	51.9	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0199432 **Received** : 08 Jan 2024
Lab Number : 06054260 **Diagnosed** : 10 Jan 2024
Unique Number : 10820209 **Diagnostician** : Jonathan Hester
Test Package : CONST (Additional Tests: KF, 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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