



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[W42138]
 Machine Id
JOHN DEERE 410E 1DW410ELEM711381
 Component
Center Differential
 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		JR0147192	JR0103036	---
Sample Date		Client Info		15 Feb 2023	17 Nov 2021	---
Machine Age	hrs	Client Info		1824	579	---
Oil Age	hrs	Client Info		1824	0	---
Filter Age	hrs	Client Info		1824	0	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		Changed	Not Changd	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		21	55	---
Iron	ppm	ASTM D5185m	>500	62	104	---
Chromium	ppm	ASTM D5185m	>10	<1	1	---
Nickel	ppm	ASTM D5185m	>10	0	0	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	<1	5	---
Lead	ppm	ASTM D5185m	>25	12	0	---
Copper	ppm	ASTM D5185m	>100	10	<1	---
Tin	ppm	ASTM D5185m	>10	<1	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

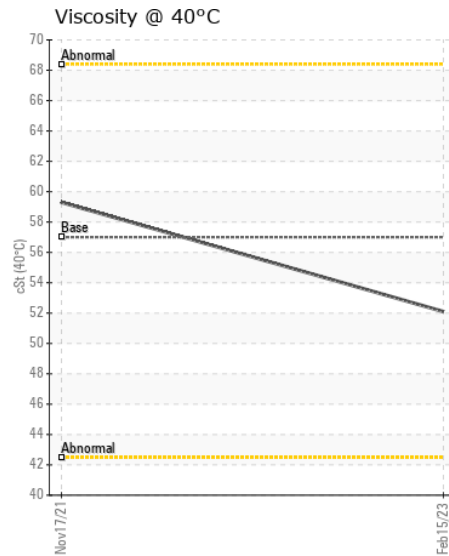
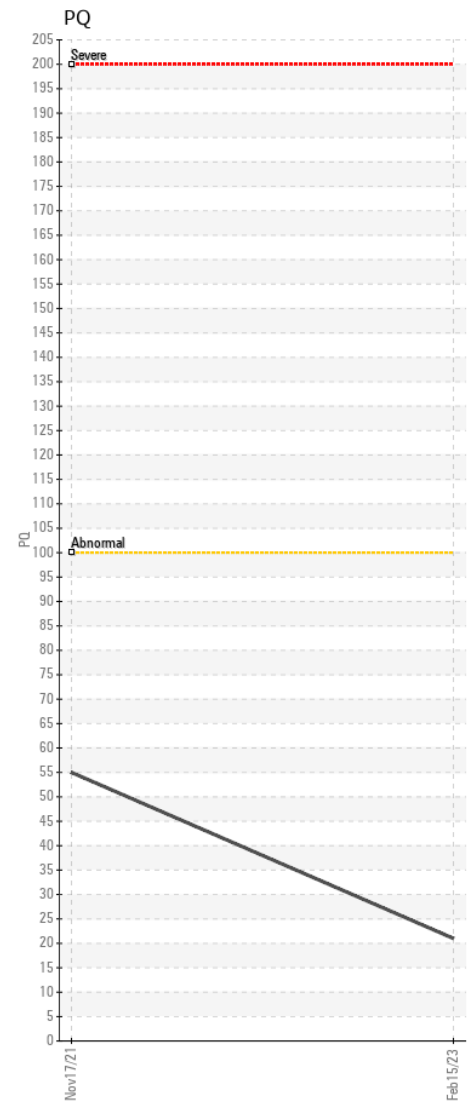
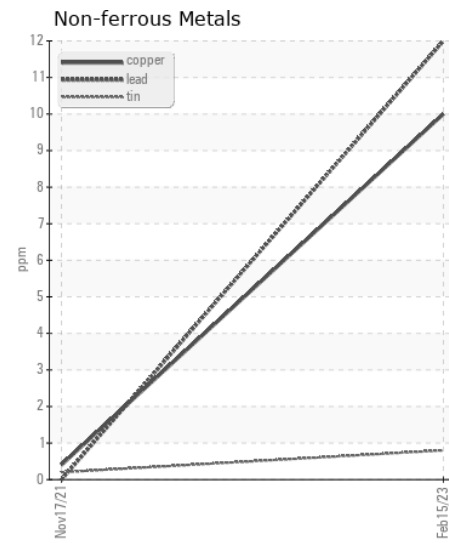
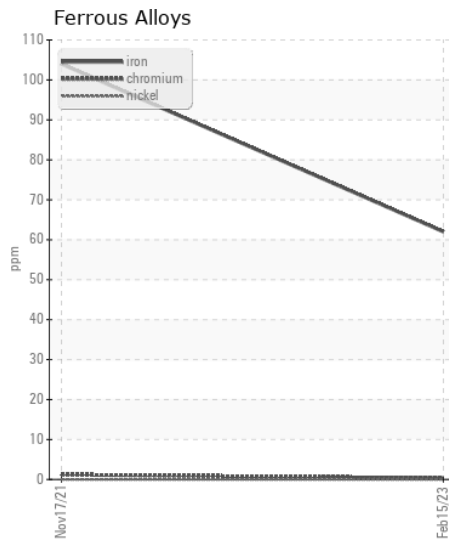
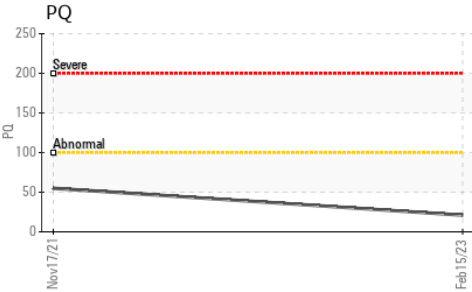
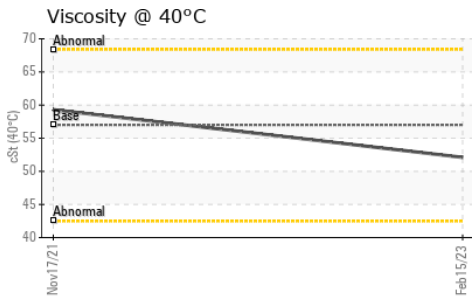
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	5	14	---
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		2	4	---
Boron	ppm	ASTM D5185m	6	0	6	---
Barium	ppm	ASTM D5185m	0	<1	0	---
Molybdenum	ppm	ASTM D5185m	0	<1	<1	---
Manganese	ppm	ASTM D5185m		2	2	---
Magnesium	ppm	ASTM D5185m	145	94	111	---
Calcium	ppm	ASTM D5185m	3570	3482	3750	---
Phosphorus	ppm	ASTM D5185m	1290	1042	1058	---
Zinc	ppm	ASTM D5185m	1640	1239	1180	---
Sulfur	ppm	ASTM D5185m		3437	3227	---
Visc @ 40°C	cSt	ASTM D445	57.0	52.1	59.3	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0147192 **Received** : 17 Feb 2023
Lab Number : 05771352 **Tested** : 20 Feb 2023
Unique Number : 10345969 **Diagnosed** : 20 Feb 2023 - Doug Bogart
Test Package : CONST (Additional Tests: PQ)

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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)