



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION



Area
[W67997]
 Machine Id
JOHN DEERE 410E 1DW410ETKJF692851
 Component
Center Differential
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (5 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W67997)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0216091	JR0205518	JR0085940
Sample Date		Client Info		08 Jul 2024	20 Jun 2024	20 May 2021
Machine Age	hrs	Client Info		5511	5004	5004
Oil Age	hrs	Client Info		4773	4266	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Not Changd
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				ATTENTION	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		33	34	18
Iron	ppm	ASTM D5185m	>500	25	48	34
Chromium	ppm	ASTM D5185m	>10	1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	<1	<1
Aluminum	ppm	ASTM D5185m	>25	6	3	1
Lead	ppm	ASTM D5185m	>25	0	12	22
Copper	ppm	ASTM D5185m	>100	<1	3	2
Tin	ppm	ASTM D5185m	>10	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

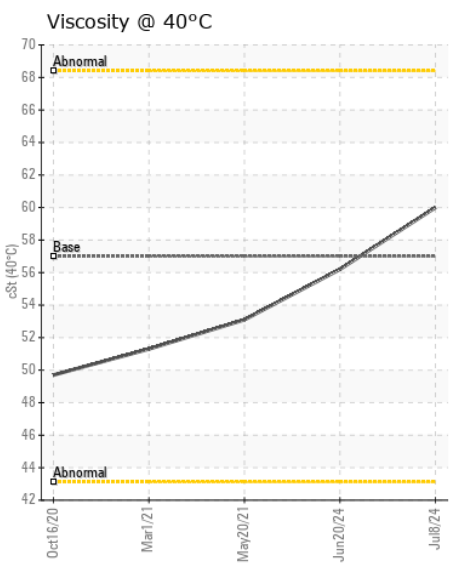
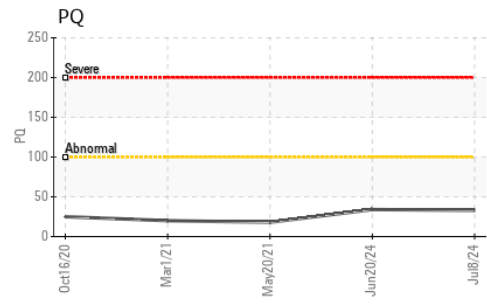
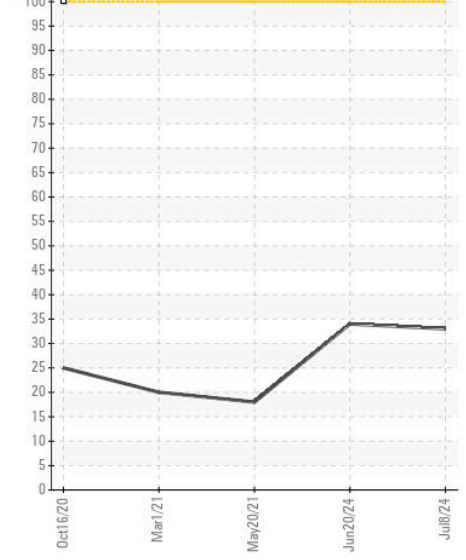
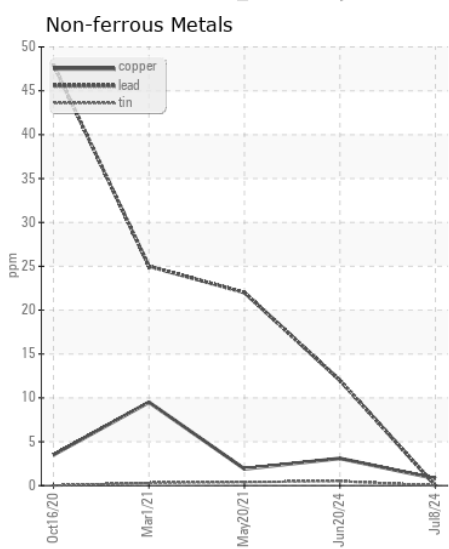
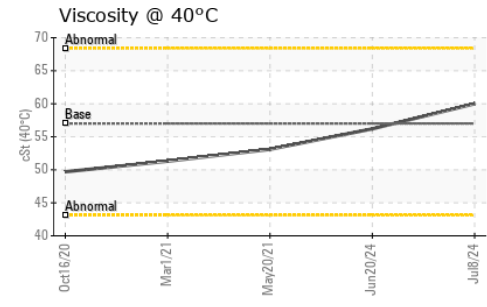
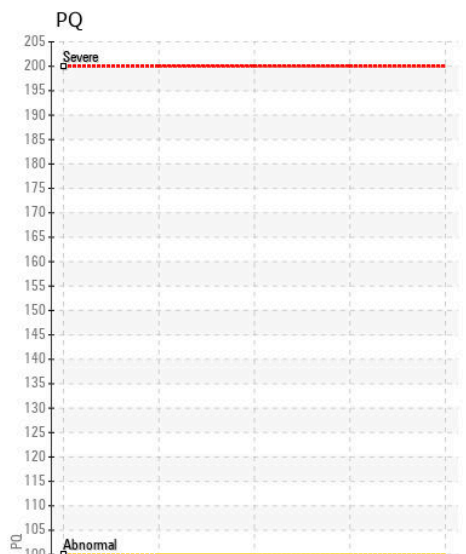
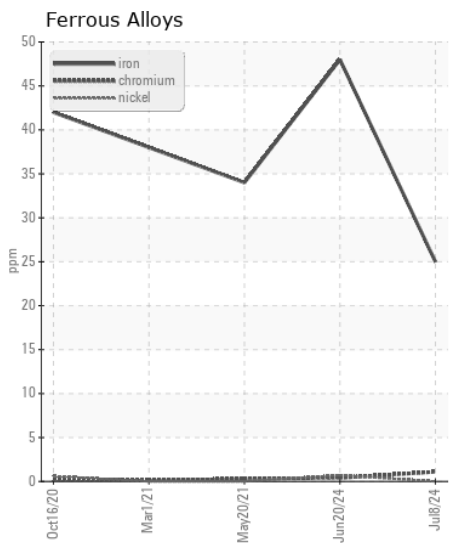
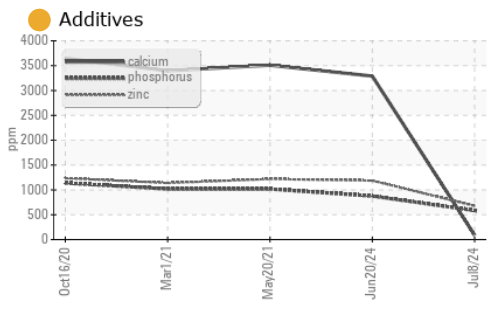
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	6	6	6
Potassium	ppm	ASTM D5185m	>20	2	3	<1
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.2	NEG	NEG	NEG

FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		5	0	4
Boron	ppm	ASTM D5185m	6	3	3	10
Barium	ppm	ASTM D5185m	0	0	1	0
Molybdenum	ppm	ASTM D5185m	0	2	1	<1
Manganese	ppm	ASTM D5185m		0	2	<1
Magnesium	ppm	ASTM D5185m	145	5	96	98
Calcium	ppm	ASTM D5185m	3570	89	3289	3509
Phosphorus	ppm	ASTM D5185m	1290	584	876	1018
Zinc	ppm	ASTM D5185m	1640	678	1186	1218
Sulfur	ppm	ASTM D5185m		2849	3362	3252
Visc @ 40°C	cSt	ASTM D445	57.0	60.0	56.2	53.1



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0216091 **Received** : 10 Jul 2024
Lab Number : 06232473 **Tested** : 11 Jul 2024
Unique Number : 11115966 **Diagnosed** : 12 Jul 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

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Certificate L2367
 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)