



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 655C LU655CX009290

Component
Hydraulic System

Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (34 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0213358	JR0182774	JR0127450
Sample Date		Client Info		12 May 2024	23 Aug 2023	05 Aug 2022
Machine Age	hrs	Client Info		7786	7300	6758
Oil Age	hrs	Client Info		0	0	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	Not Changd
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
Iron	ppm	ASTM D5185m	>71	5	9	7
Chromium	ppm	ASTM D5185m	>11	<1	<1	<1
Nickel	ppm	ASTM D5185m	>6	<1	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>11	4	0	5
Lead	ppm	ASTM D5185m	>13	<1	<1	2
Copper	ppm	ASTM D5185m	>21	7	6	9
Tin	ppm	ASTM D5185m	>5	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

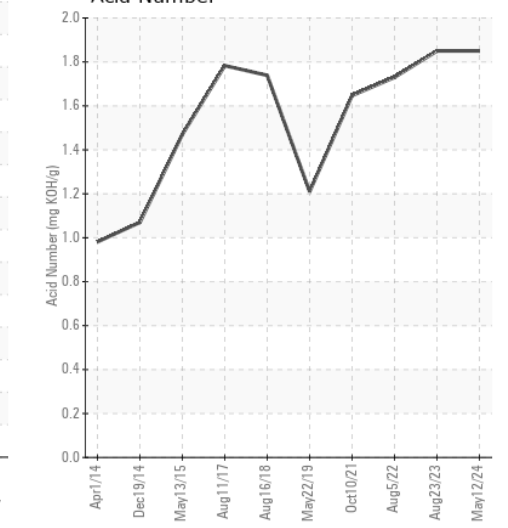
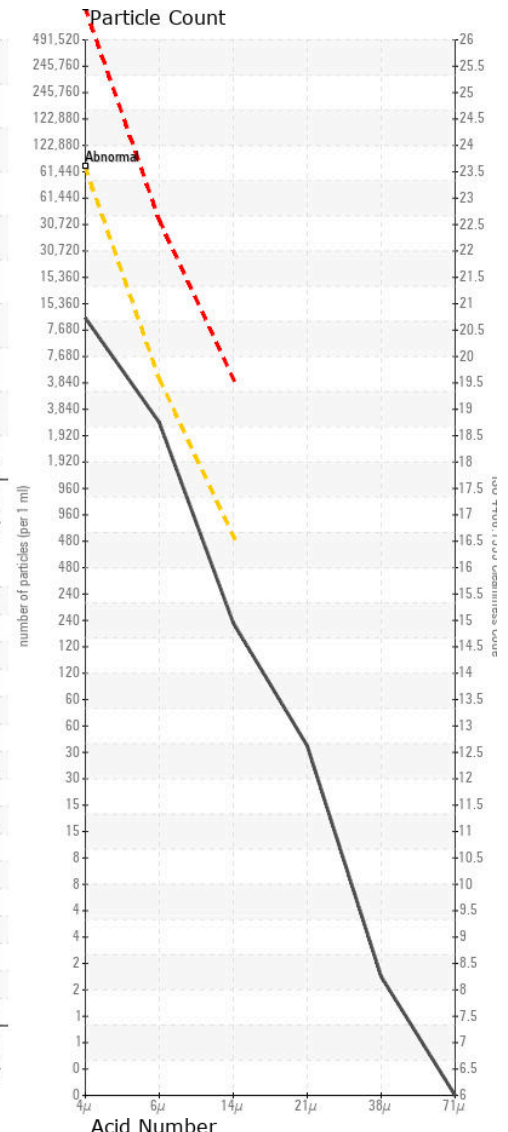
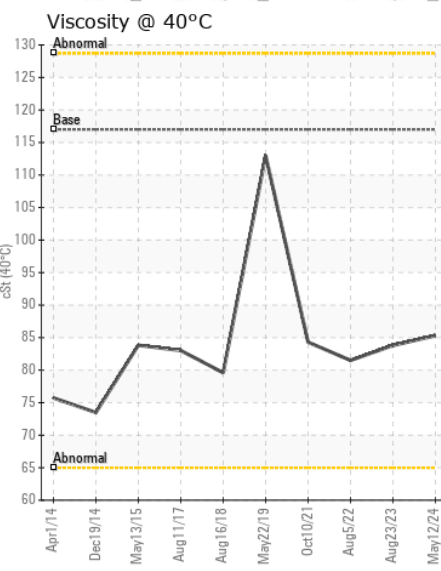
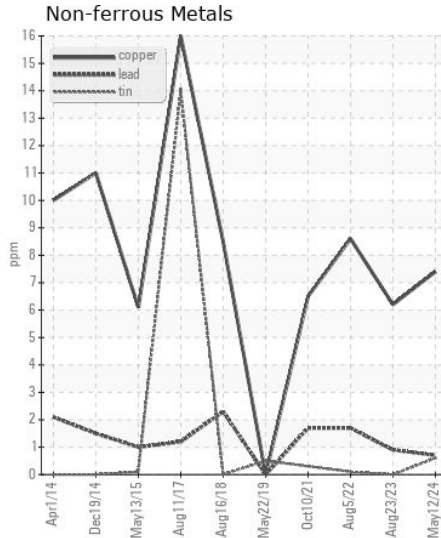
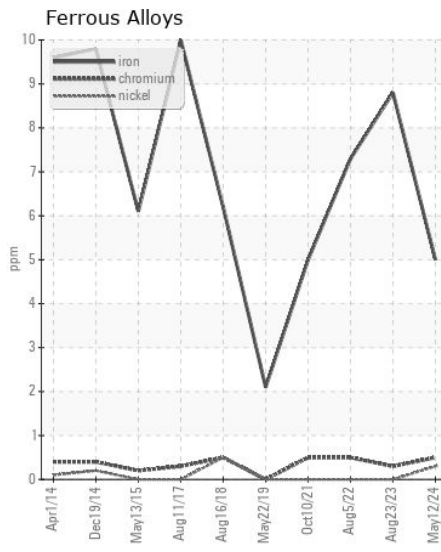
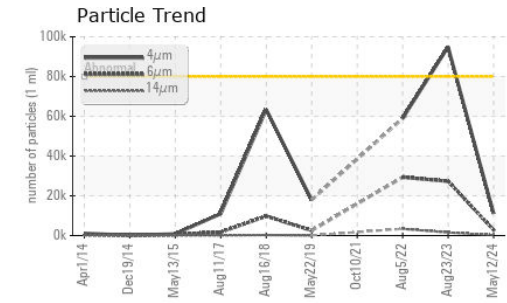
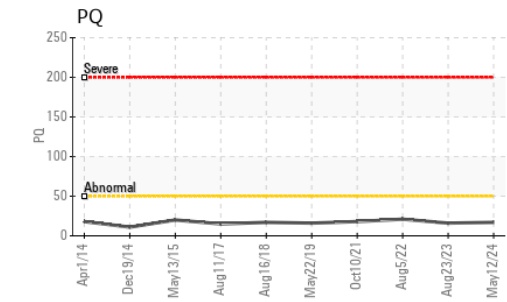
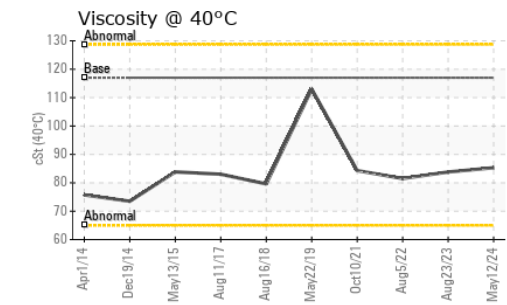
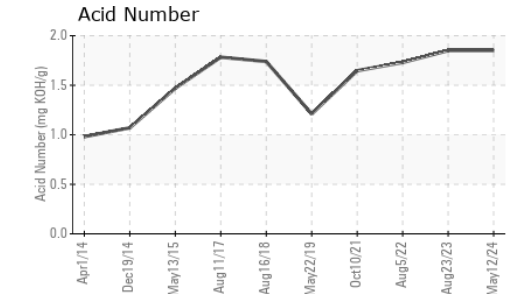
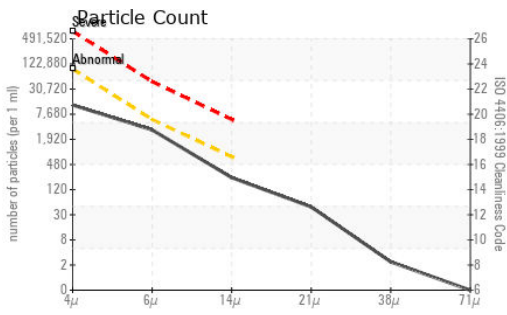
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>24	8	8	9
Potassium	ppm	ASTM D5185m	>20	4	7	4
Water		WC Method	>0.075	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>80000	11091	▲ 94882	58990
Particles >6µm		ASTM D7647	>5000	2821	▲ 27330	▲ 29363
Particles >14µm		ASTM D7647	>640	205	▲ 1570	▲ 3363
Particles >21µm		ASTM D7647	>160	41	▲ 418	▲ 528
Particles >38µm		ASTM D7647	>40	2	12	25
Particles >71µm		ASTM D7647	>10	0	1	2
Oil Cleanliness		ISO 4406 (c)	>23/19/16	21/19/15	▲ 24/22/18	▲ 23/22/19
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
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	>0.075	NEG	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	>21	4	0	2
Boron	ppm	ASTM D5185m		210	267	300
Barium	ppm	ASTM D5185m		0	2	0
Molybdenum	ppm	ASTM D5185m		53	73	146
Manganese	ppm	ASTM D5185m		1	0	<1
Magnesium	ppm	ASTM D5185m		249	224	451
Calcium	ppm	ASTM D5185m		2048	2061	1727
Phosphorus	ppm	ASTM D5185m		1051	1006	946
Zinc	ppm	ASTM D5185m		1216	1146	1091
Sulfur	ppm	ASTM D5185m		4197	3702	3406
Acid Number (AN)	mg KOH/g	ASTM D8045		1.85	1.85	1.73
Visc @ 40°C	cSt	ASTM D445	117	85.3	83.8	81.5



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0213358 **Received** : 13 May 2024
Lab Number : 06177039 **Tested** : 14 May 2024
Unique Number : 11023092 **Diagnosed** : 14 May 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - GREENSBORO
 411 SOUTH REGIONAL ROAD
 GREENSBORO, NC
 US 27409
 Contact: NICK GALLAHER
 NGALLAHER@JRENET.COM
 T: (336)668-2762
 F: (336)665-9556

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)