



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 9 - Marietta [RO#147037]
Machine Id
JOHN DEERE 950K 1T0950KPVJF335361
Component
Hydraulic System
Fluid
JOHN DEERE HYDRAU (23 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0048233	LEC0043595	LEC0040323
Sample Date		Client Info		22 Feb 2024	16 Oct 2023	09 Jun 2023
Machine Age	hrs	Client Info		3900	3246	2611
Oil Age	hrs	Client Info		3900	3246	2611
Filter Age	hrs	Client Info		1799	1145	510
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal for time on oil.

PQ		ASTM D8184	>50	22	21	15
Iron	ppm	ASTM D5185m	>23	31	25	21
Chromium	ppm	ASTM D5185m	>9	12	8	7
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>9	3	2	<1
Lead	ppm	ASTM D5185m	>28	<1	<1	<1
Copper	ppm	ASTM D5185m	>51	6	5	6
Tin	ppm	ASTM D5185m	>5	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

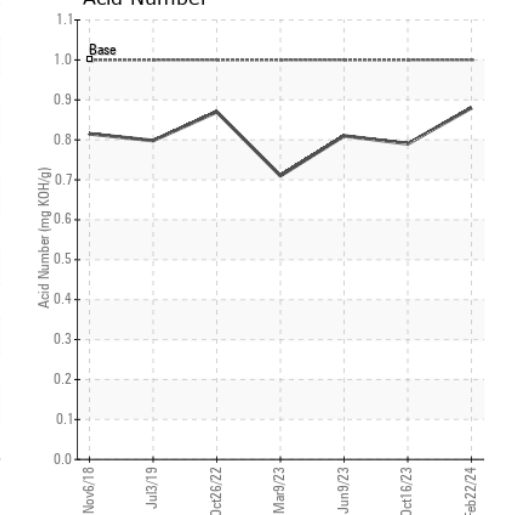
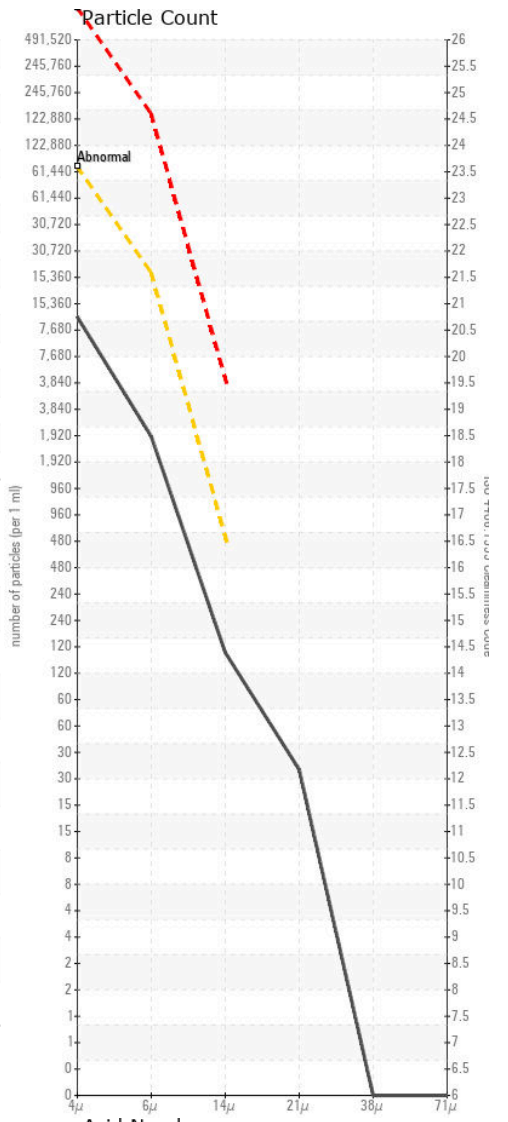
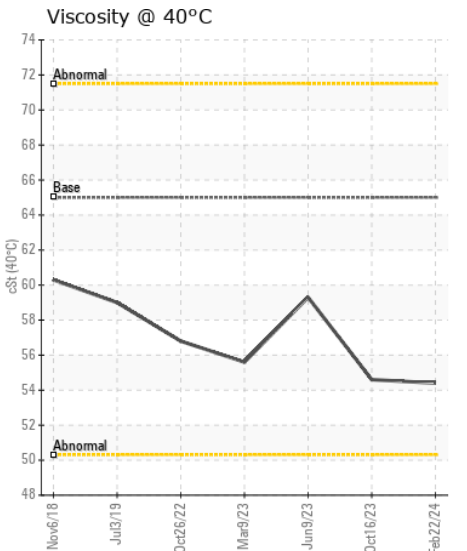
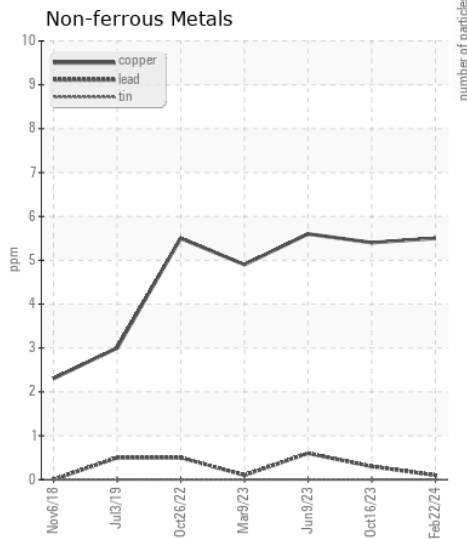
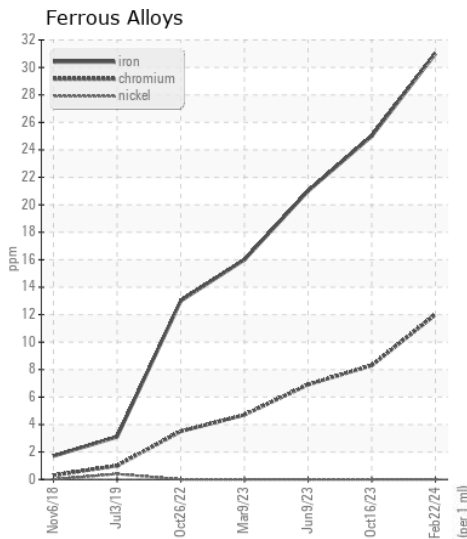
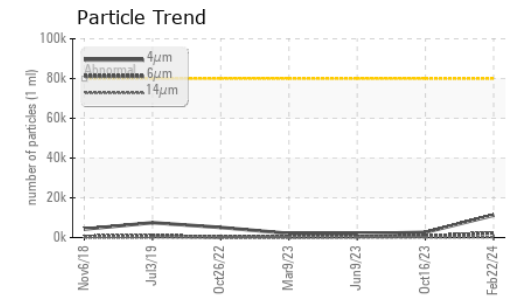
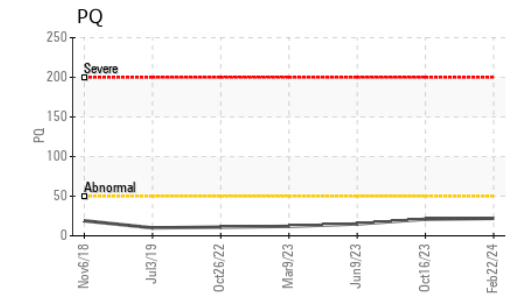
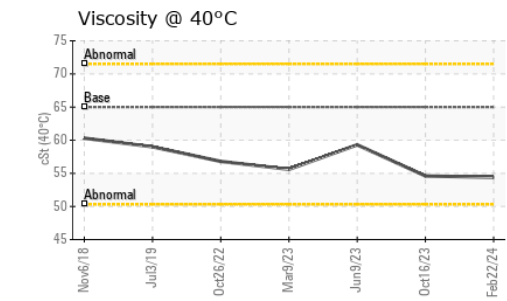
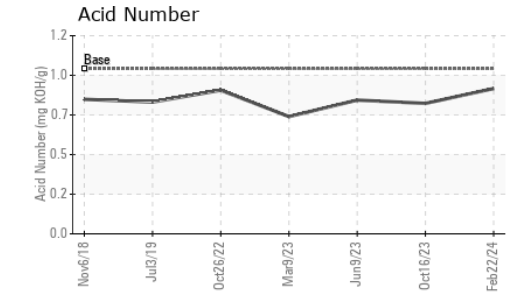
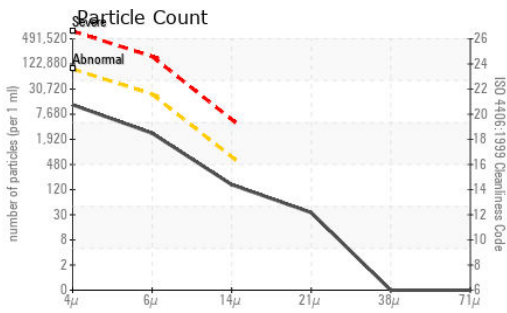
The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	6	4	4
Potassium	ppm	ASTM D5185m	>20	2	2	2
Water		WC Method	>0.075	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>80000	11224	2634	1957
Particles >6µm		ASTM D7647	>20000	2347	618	544
Particles >14µm		ASTM D7647	>640	139	51	59
Particles >21µm		ASTM D7647	>160	30	15	14
Particles >38µm		ASTM D7647	>40	0	1	1
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>23/21/16	21/18/14	19/16/13	18/16/13
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
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	2	1	0
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		3	4	2
Calcium	ppm	ASTM D5185m	87	95	123	98
Phosphorus	ppm	ASTM D5185m	727	624	604	607
Zinc	ppm	ASTM D5185m	900	822	837	829
Sulfur	ppm	ASTM D5185m	1500	1667	1674	1798
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.88	0.79	0.81
Visc @ 40°C	cSt	ASTM D445	65	54.4	54.6	59.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0048233 **Received** : 28 Feb 2024
Lab Number : 06102854 **Tested** : 29 Feb 2024
Unique Number : 10901084 **Diagnosed** : 29 Feb 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

LESLIE EQUIPMENT COMPANY
 105 TENNIS CENTER DR.
 MARIETTA, OH
 US 45750-9765
 Contact: LEANNE KENDALL
 KendalLeanne@lec1.com

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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