



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 8 - Pikeville [150820]
Machine Id
JOHN DEERE 950K 1T0950KPAJF329898
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		LEC0046153	LEC0043326	LEC0040485
Sample Date		Client Info		29 May 2024	02 Nov 2023	20 Apr 2023
Machine Age	hrs	Client Info		4108	3361	2780
Oil Age	hrs	Client Info		4108	3361	2780
Filter Age	hrs	Client Info		1964	1217	636
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Changed	Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	19	12	12
Iron	ppm	ASTM D5185m	>23	6	5	4
Chromium	ppm	ASTM D5185m	>9	<1	1	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>9	1	<1	1
Lead	ppm	ASTM D5185m	>28	<1	<1	0
Copper	ppm	ASTM D5185m	>51	3	2	1
Tin	ppm	ASTM D5185m	>5	0	<1	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

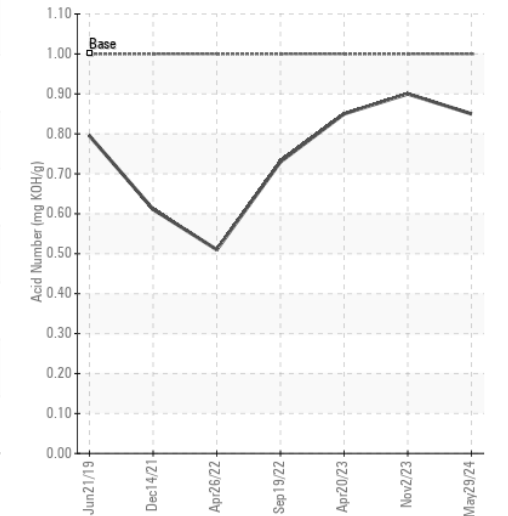
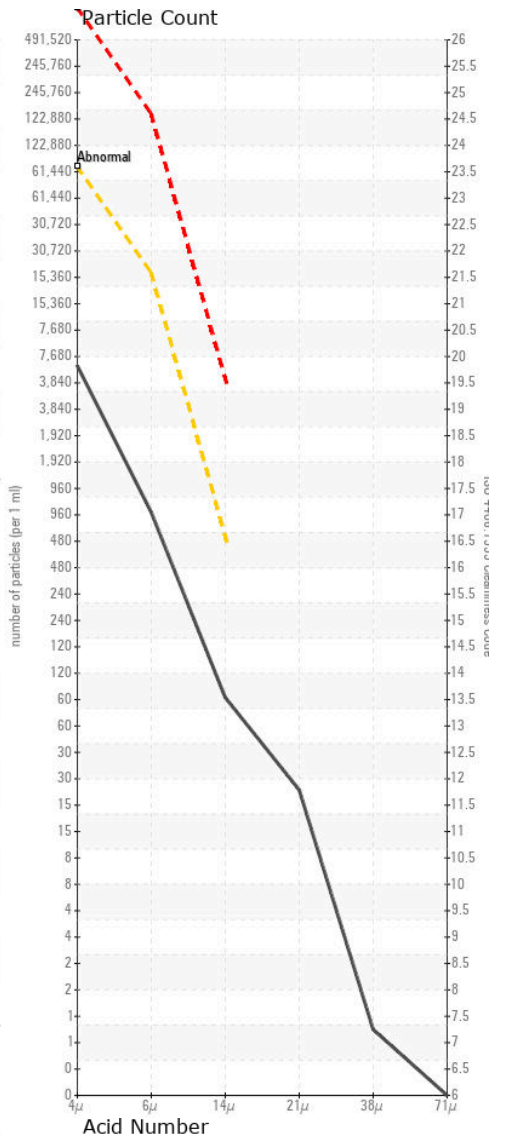
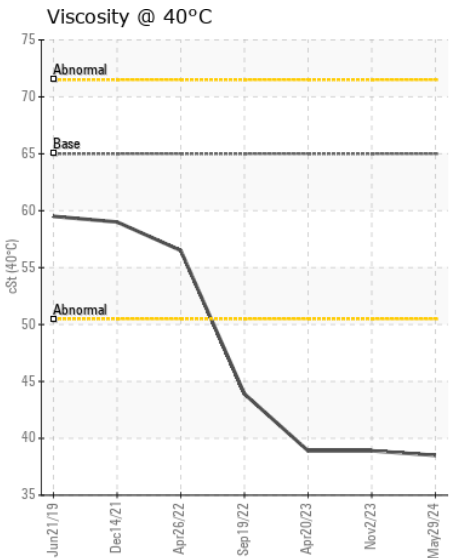
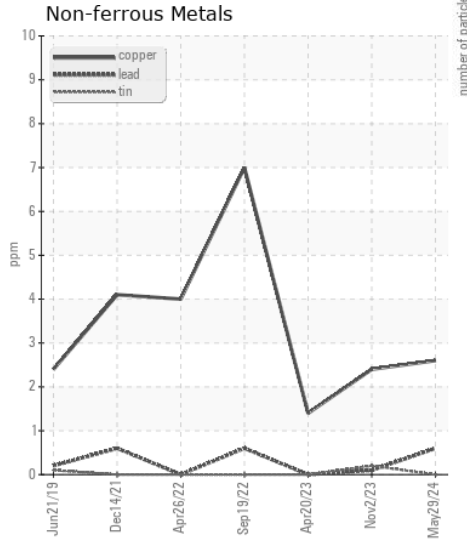
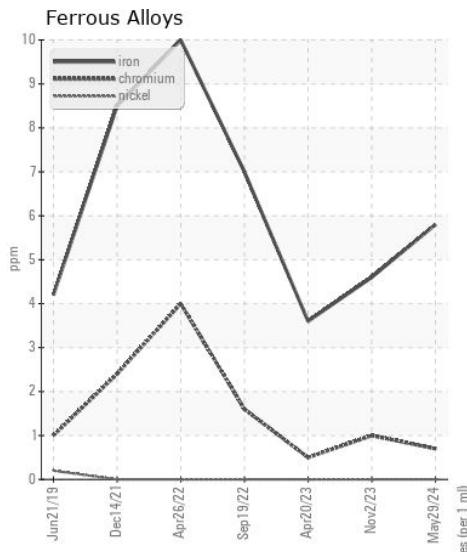
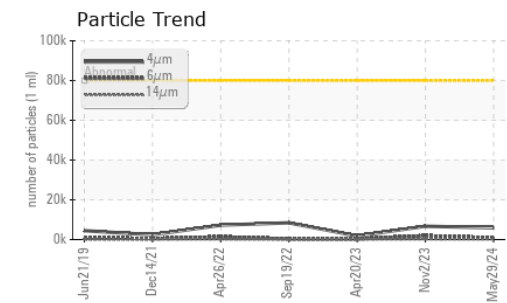
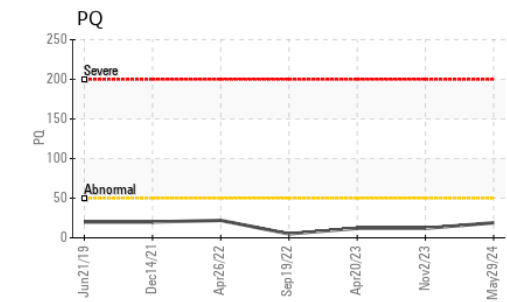
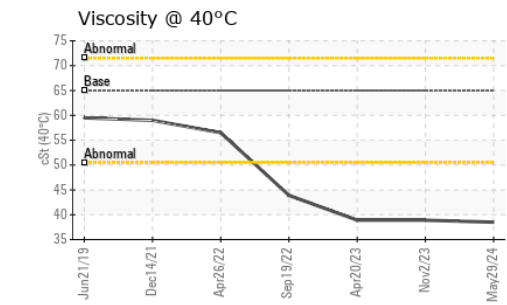
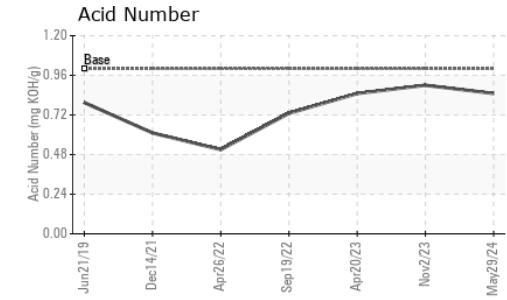
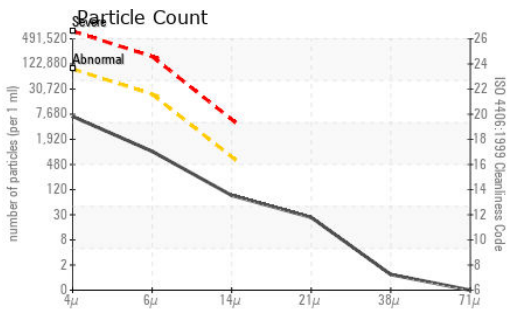
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>31	6	6	6
Potassium	ppm	ASTM D5185m	>20	9	10	9
Water		WC Method	>0.075	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>80000	5915	6721	1799
Particles >6µm		ASTM D7647	>20000	869	1895	313
Particles >14µm		ASTM D7647	>640	77	128	21
Particles >21µm		ASTM D7647	>160	23	28	6
Particles >38µm		ASTM D7647	>40	1	1	1
Particles >71µm		ASTM D7647	>10	0	0	0
Oil Cleanliness		ISO 4406 (c)	>23/21/16	20/17/13	20/18/14	18/15/12
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	4	4	4
Boron	ppm	ASTM D5185m		17	19	20
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		10	11	12
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		47	40	47
Calcium	ppm	ASTM D5185m	87	2600	2413	2094
Phosphorus	ppm	ASTM D5185m	727	778	787	706
Zinc	ppm	ASTM D5185m	900	902	946	837
Sulfur	ppm	ASTM D5185m	1500	3533	3193	3172
Acid Number (AN)	mg KOH/g	ASTM D8045	1.0	0.85	0.90	0.85
Visc @ 40°C	cSt	ASTM D445	65	38.5	38.9	38.9



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0046153 **Received** : 31 May 2024
Lab Number : 06196554 **Tested** : 03 Jun 2024
Unique Number : 11058677 **Diagnosed** : 03 Jun 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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