



OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
ABNORMAL
NORMAL

Area
Store 8 - Pikeville

Machine Id
JOHN DEERE 850L 1T0850LXAKF363304

Component
Right Outer Final Drive

Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system.
We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0050474	LEC0041377	LEC0038308
Sample Date		Client Info		17 Jun 2024	22 May 2023	29 Dec 2022
Machine Age	hrs	Client Info		2157	1720	1415
Oil Age	hrs	Client Info		437	305	1415
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Changed	Changed
Filter Changed		Client Info		Not Changed	None	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	158	45	117
Iron	ppm	ASTM D5185m	>750	312	50	245
Chromium	ppm	ASTM D5185m	>9	2	<1	2
Nickel	ppm	ASTM D5185m	>10	2	0	0
Titanium	ppm	ASTM D5185m		4	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	48	10	13
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>40	<1	0	<1
Tin	ppm	ASTM D5185m	>10	0	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

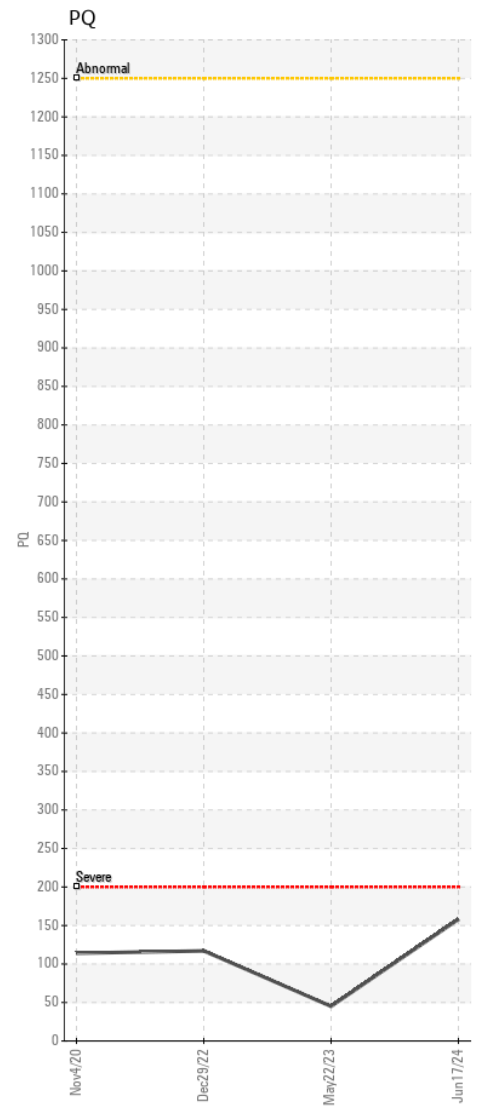
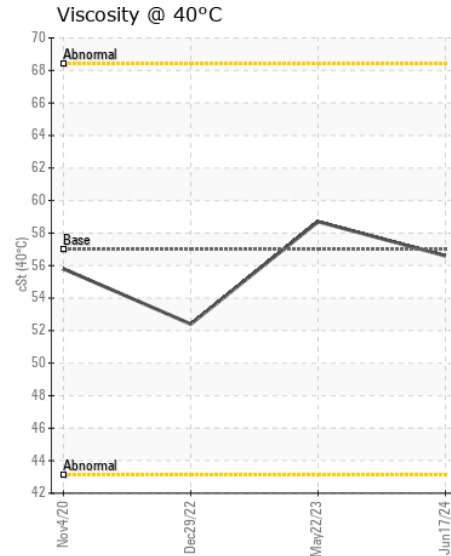
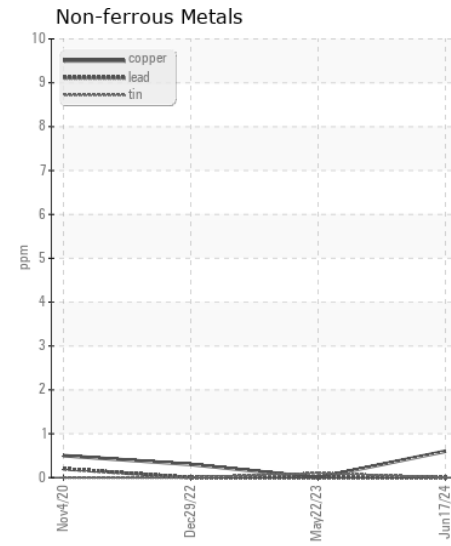
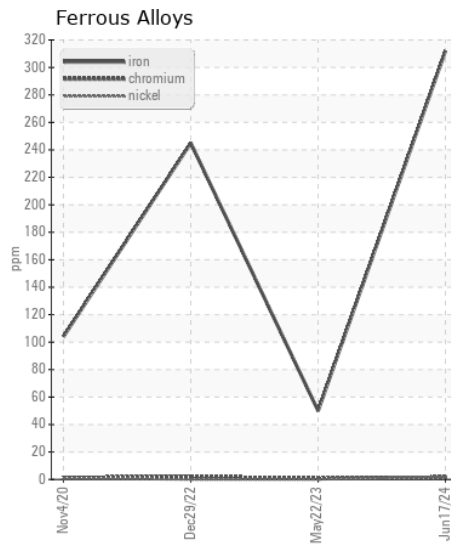
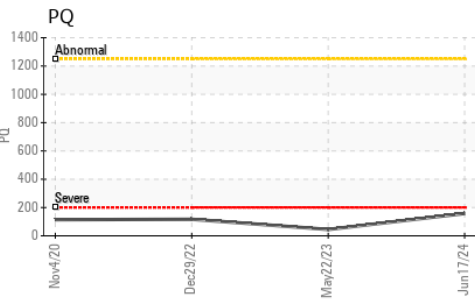
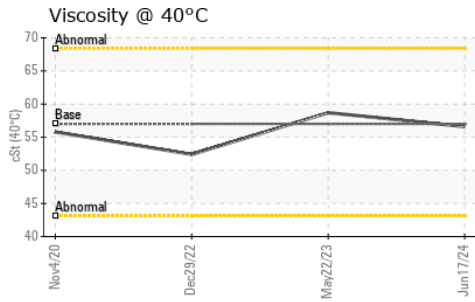
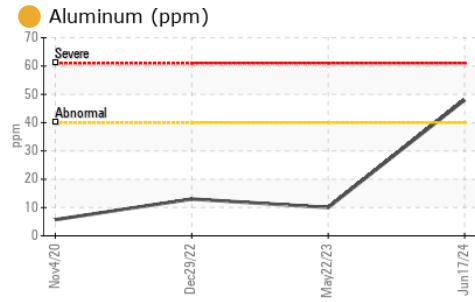
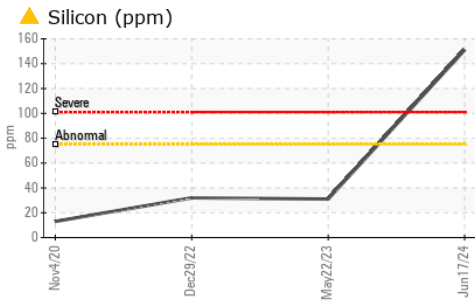
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	151	31	32
Potassium	ppm	ASTM D5185m	>20	12	3	2
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	LIGHT	NONE	LIGHT
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 condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	4	<1	3
Boron	ppm	ASTM D5185m	6	5	<1	0
Barium	ppm	ASTM D5185m	0	0	0	<1
Molybdenum	ppm	ASTM D5185m	0	5	2	0
Manganese	ppm	ASTM D5185m		4	<1	3
Magnesium	ppm	ASTM D5185m	145	123	121	101
Calcium	ppm	ASTM D5185m	3570	3508	3427	3616
Phosphorus	ppm	ASTM D5185m	1290	1037	1025	992
Zinc	ppm	ASTM D5185m	1640	1266	1296	1192
Sulfur	ppm	ASTM D5185m		4186	4276	4286
Visc @ 40°C	cSt	ASTM D445	57.0	56.6	58.7	52.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0050474 **Received** : 19 Jun 2024
Lab Number : 06214976 **Tested** : 20 Jun 2024
Unique Number : 11087840 **Diagnosed** : 21 Jun 2024 - Sean Felton
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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