



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Store 8 - Pikeville
Machine Id
JOHN DEERE 850L 1T0850LXAKF363304
Component
Left Inner Final Drive
Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0041374	LEC0038305	LEC0017471
Sample Date		Client Info		22 May 2023	29 Dec 2022	04 Nov 2020
Machine Age	hrs	Client Info		1720	1415	493
Oil Age	hrs	Client Info		305	1415	493
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Not Changd
Filter Changed		Client Info		None	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	10	14	27
Iron	ppm	ASTM D5185m	>750	5	12	22
Chromium	ppm	ASTM D5185m	>9	<1	0	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	4
Aluminum	ppm	ASTM D5185m	>40	0	<1	0
Lead	ppm	ASTM D5185m	>15	0	0	2
Copper	ppm	ASTM D5185m	>40	0	0	<1
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

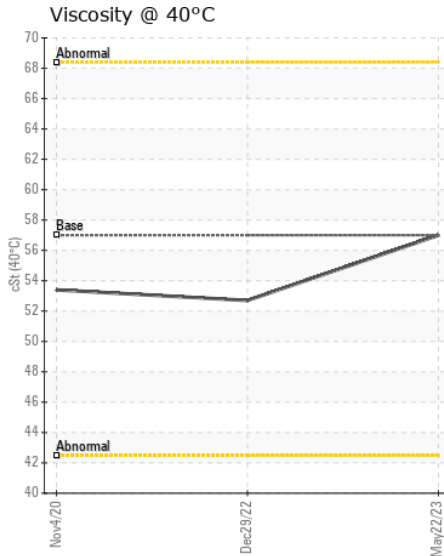
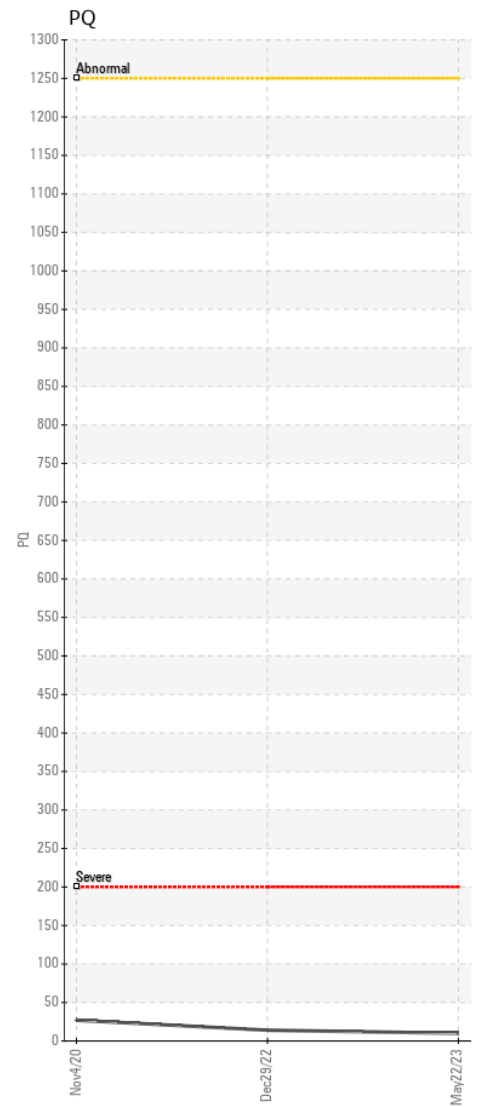
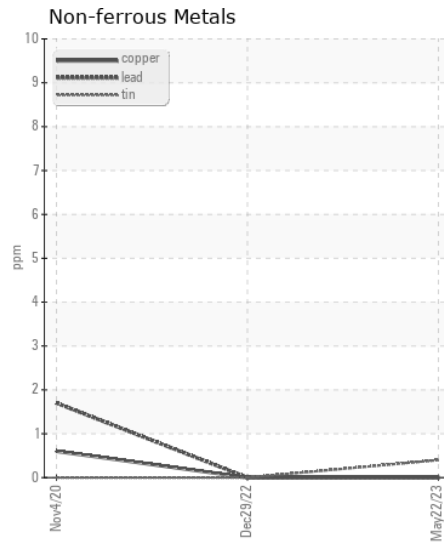
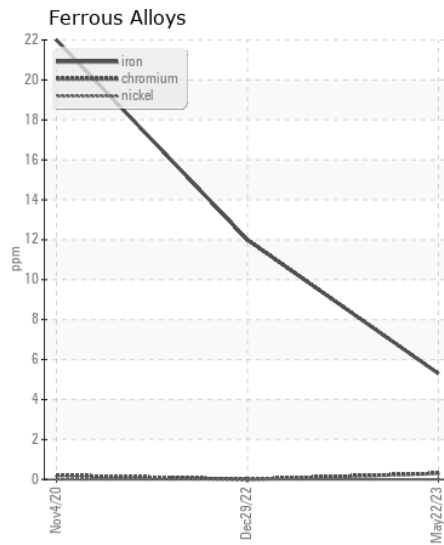
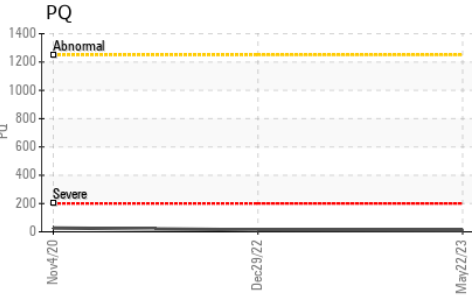
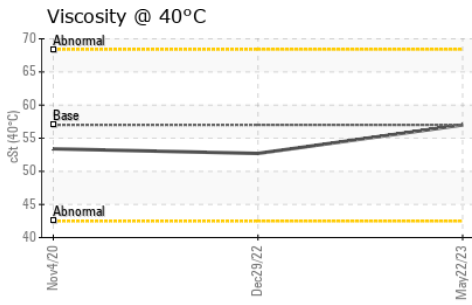
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	8	7	4
Potassium	ppm	ASTM D5185m	>20	1	0	2
Water		WC Method	>0.075	NEG	NEG	NEG
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 condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	<1	<1	<1
Boron	ppm	ASTM D5185m	6	1	0	4
Barium	ppm	ASTM D5185m	0	0	0	<1
Molybdenum	ppm	ASTM D5185m	0	2	<1	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	145	121	97	106
Calcium	ppm	ASTM D5185m	3570	3496	3507	3794
Phosphorus	ppm	ASTM D5185m	1290	1042	1000	1127
Zinc	ppm	ASTM D5185m	1640	1312	1180	1230
Sulfur	ppm	ASTM D5185m		4315	4020	3094
Visc @ 40°C	cSt	ASTM D445	57.0	57.0	52.7	53.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0041374 **Received** : 30 May 2023
Lab Number : 05859496 **Tested** : 31 May 2023
Unique Number : 10493961 **Diagnosed** : 01 Jun 2023 - Jonathan Hester
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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