



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 4 - Fairmont
Machine Id
JOHN DEERE 850K 1T0850KXEJF335829
Component
Left Outer Final Drive
Fluid
JOHN DEERE HY-GARD HYD/TRANS (4 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0046690	LEC0045495	LEC0042285
Sample Date		Client Info		06 Feb 2024	10 Oct 2023	12 Jun 2023
Machine Age	hrs	Client Info		4131	3614	3091
Oil Age	hrs	Client Info		517	956	433
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		None	N/A	None
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	163	16	306
Iron	ppm	ASTM D5185m	>750	57	578	460
Chromium	ppm	ASTM D5185m	>9	<1	3	2
Nickel	ppm	ASTM D5185m	>10	0	3	4
Titanium	ppm	ASTM D5185m		<1	4	4
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	6	62	64
Lead	ppm	ASTM D5185m	>15	0	0	<1
Copper	ppm	ASTM D5185m	>40	0	1	<1
Tin	ppm	ASTM D5185m	>10	0	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

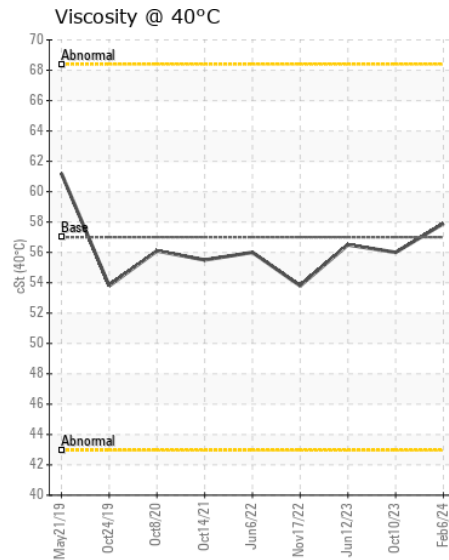
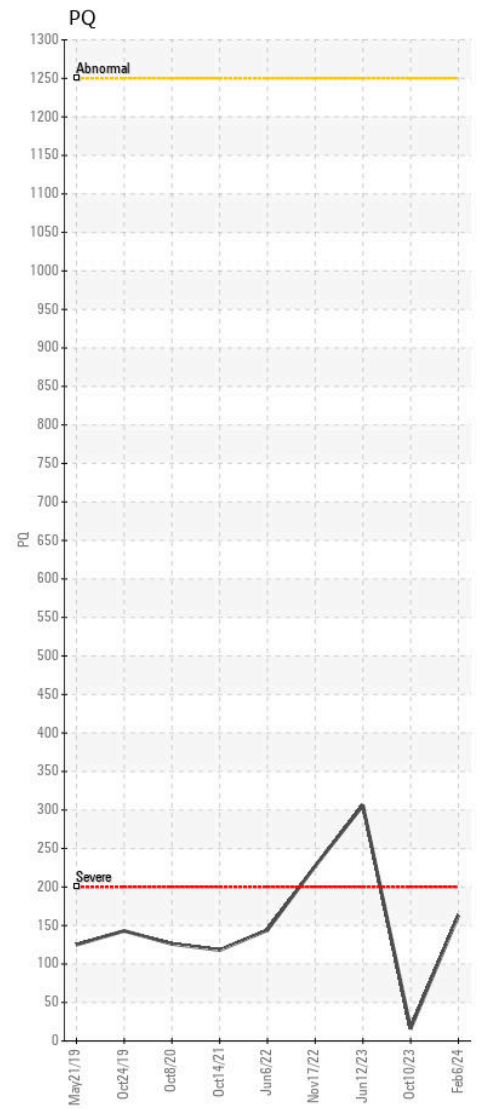
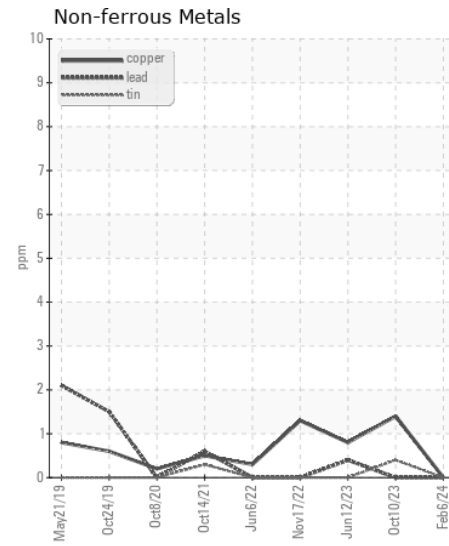
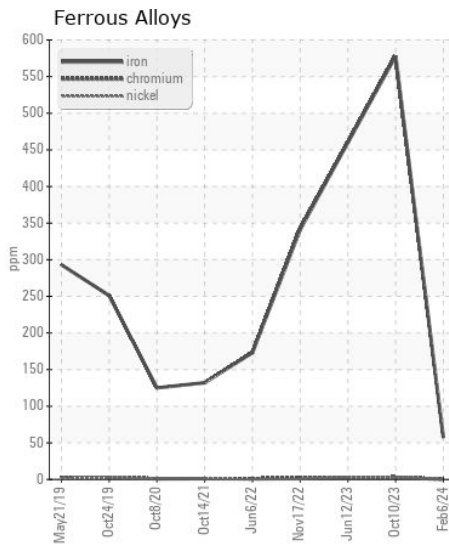
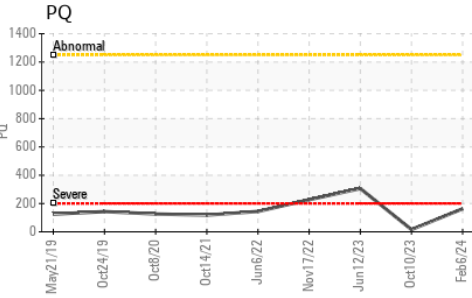
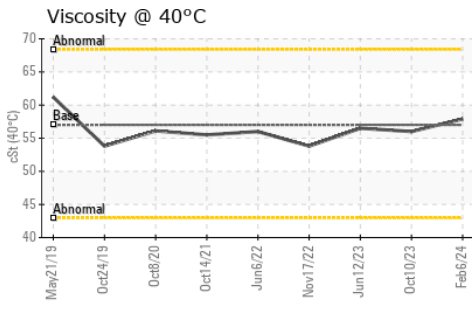
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	26	209	198
Potassium	ppm	ASTM D5185m	>20	0	16	14
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	5	3
Boron	ppm	ASTM D5185m	6	8	6	5
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	5	3	3
Manganese	ppm	ASTM D5185m		<1	5	4
Magnesium	ppm	ASTM D5185m	145	119	116	119
Calcium	ppm	ASTM D5185m	3570	3241	3055	3425
Phosphorus	ppm	ASTM D5185m	1290	1005	930	1016
Zinc	ppm	ASTM D5185m	1640	1196	1076	1273
Sulfur	ppm	ASTM D5185m		3189	3095	4125
Visc @ 40°C	cSt	ASTM D445	57.0	57.9	56.0	56.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0046690 **Received** : 08 Feb 2024
Lab Number : 06083865 **Tested** : 12 Feb 2024
Unique Number : 10871310 **Diagnosed** : 12 Feb 2024 - Wes Davis
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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