



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 9 - Marietta
Machine Id
JOHN DEERE 850L 1T0850LXHFKF365119
Component
Right Inner 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		LEC0050186	LEC0045555	LEC0037516
Sample Date		Client Info		15 May 2024	26 Oct 2023	18 Jan 2023
Machine Age	hrs	Client Info		2017	1524	980
Oil Age	hrs	Client Info		1037	544	980
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		None	None	None
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	320	49	117
Iron	ppm	ASTM D5185m	>750	360	280	269
Chromium	ppm	ASTM D5185m	>9	2	3	2
Nickel	ppm	ASTM D5185m	>10	0	<1	1
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	<1	<1	<1
Lead	ppm	ASTM D5185m	>15	0	1	3
Copper	ppm	ASTM D5185m	>40	<1	37	2
Tin	ppm	ASTM D5185m	>10	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

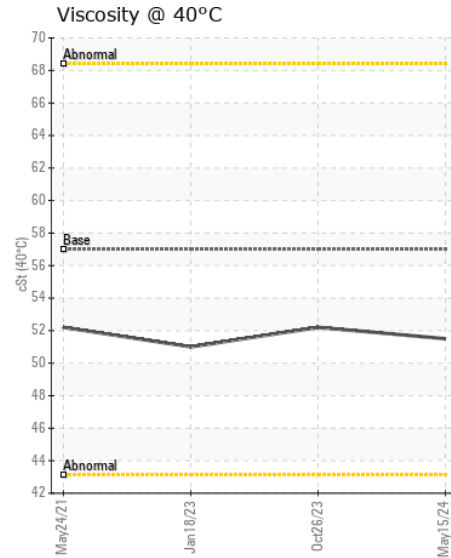
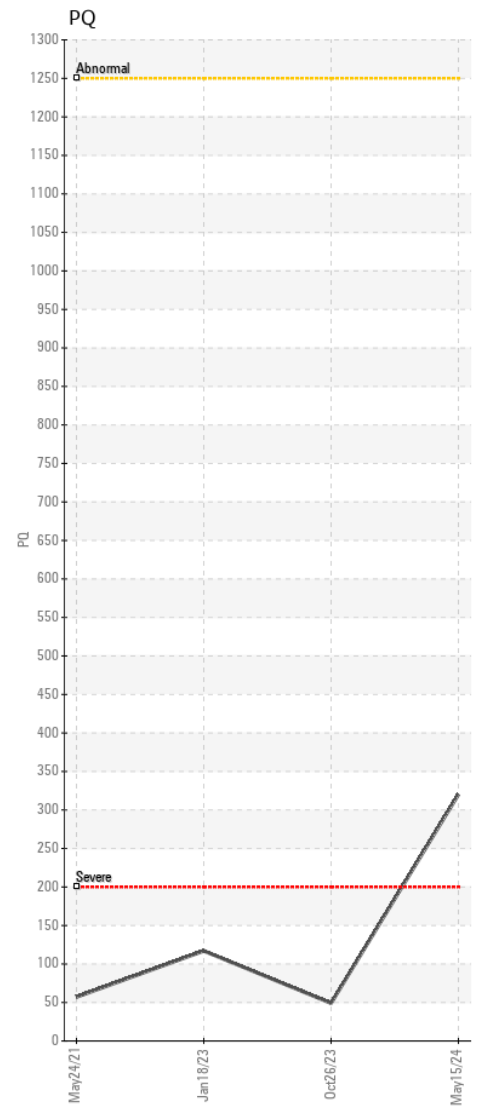
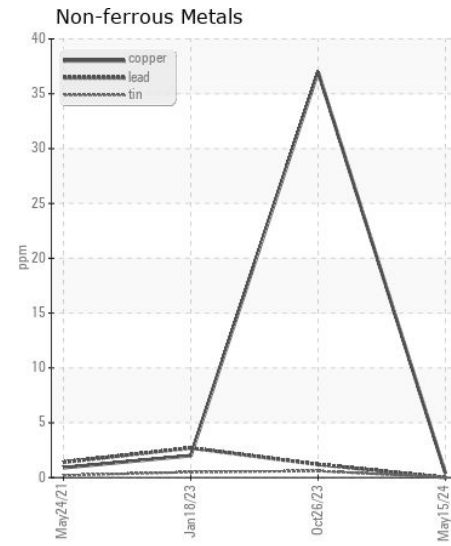
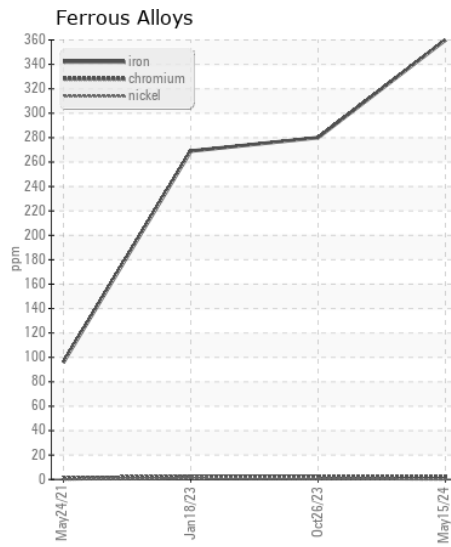
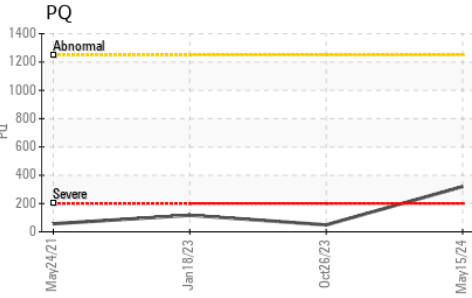
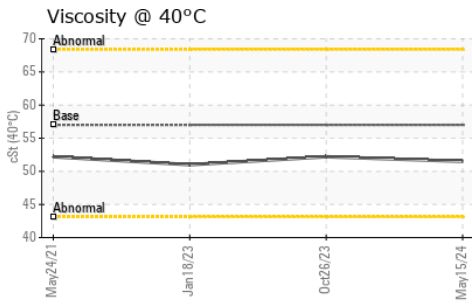
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	6	7	7
Potassium	ppm	ASTM D5185m	>20	0	3	0
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	2	2
Boron	ppm	ASTM D5185m	6	8	13	2
Barium	ppm	ASTM D5185m	0	0	0	11
Molybdenum	ppm	ASTM D5185m	0	8	9	1
Manganese	ppm	ASTM D5185m		2	2	3
Magnesium	ppm	ASTM D5185m	145	120	108	103
Calcium	ppm	ASTM D5185m	3570	3249	3075	3411
Phosphorus	ppm	ASTM D5185m	1290	1011	899	965
Zinc	ppm	ASTM D5185m	1640	1147	1133	1195
Sulfur	ppm	ASTM D5185m		3943	3504	3895
Visc @ 40°C	cSt	ASTM D445	57.0	51.5	52.2	51.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0050186 **Received** : 21 May 2024
Lab Number : 06186494 **Tested** : 22 May 2024
Unique Number : 11043246 **Diagnosed** : 22 May 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

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 MARIETTA, OH
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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)