



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 9 - Marietta
Machine Id
JOHN DEERE 850L 1T0850LXHFKF365119
Component
Transmission
Fluid
JOHN DEERE HYDRAU (28 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0050188	LEC0045558	LEC0038019
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		2017	1524	980
Filter Age	hrs	Client Info		0	1524	980
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Changed	Not Changed	Not Changed
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>100	19	38	12
Iron	ppm	ASTM D5185m	>61	19	18	13
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		0	0	<1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	0	0	0
Lead	ppm	ASTM D5185m	>9	0	▲ 12	<1
Copper	ppm	ASTM D5185m	>100	9	9	9
Tin	ppm	ASTM D5185m	>3	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

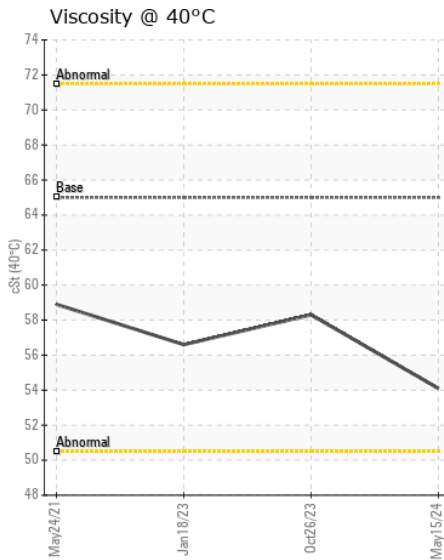
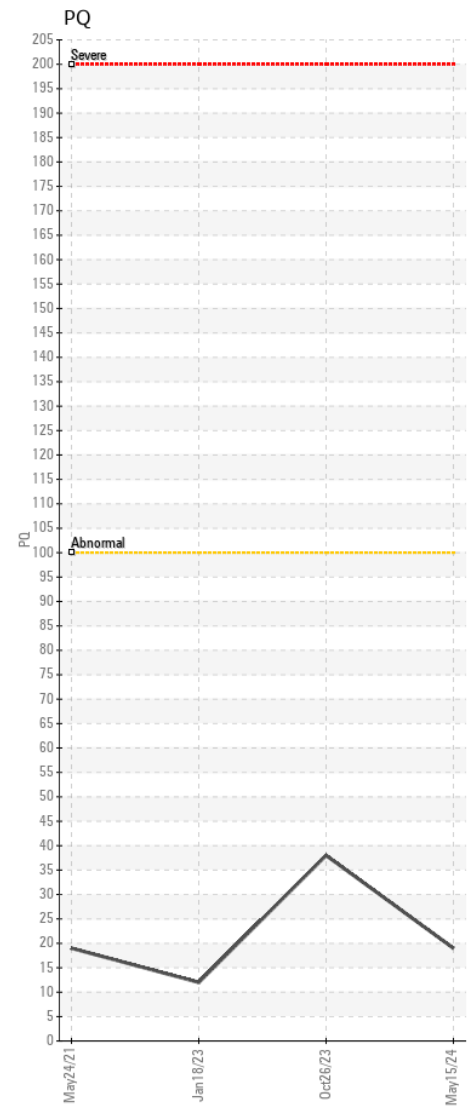
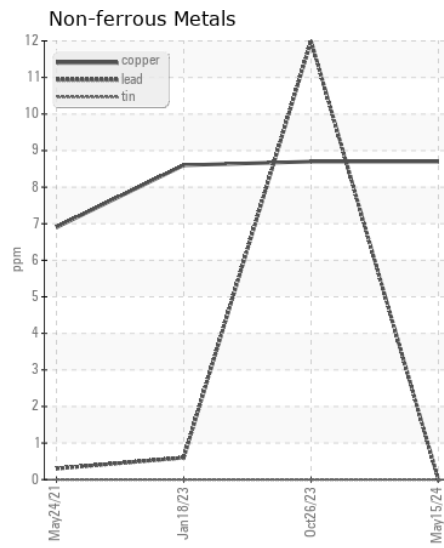
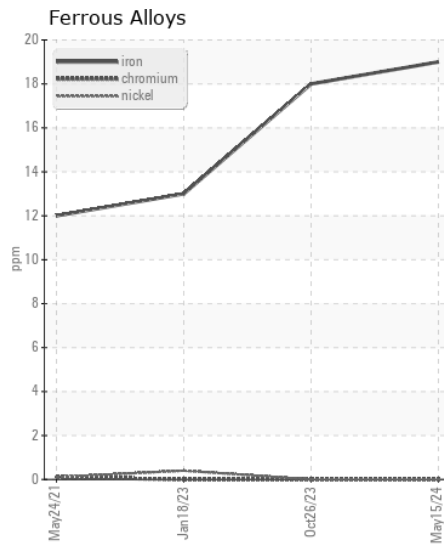
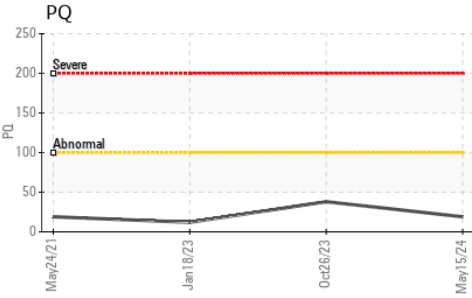
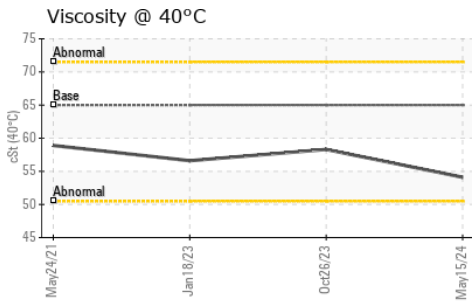
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>21	<1	<1	<1
Potassium	ppm	ASTM D5185m	>20	0	4	<1
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 fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>30	<1	1	<1
Boron	ppm	ASTM D5185m		0	1	0
Barium	ppm	ASTM D5185m		<1	0	11
Molybdenum	ppm	ASTM D5185m		0	8	<1
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m		6	10	3
Calcium	ppm	ASTM D5185m	87	125	161	85
Phosphorus	ppm	ASTM D5185m	727	633	585	545
Zinc	ppm	ASTM D5185m	900	761	751	720
Sulfur	ppm	ASTM D5185m	1500	1806	1488	1495
Visc @ 40°C	cSt	ASTM D445	65	54.1	58.3	56.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0050188 **Received** : 21 May 2024
Lab Number : 06186415 **Tested** : 22 May 2024
Unique Number : 11043167 **Diagnosed** : 22 May 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

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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