



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 850L 1T0850LXLMF411324
 Component
Right Outer 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		JR0211969	JR0179345	JR0148032
Sample Date		Client Info		10 Apr 2024	27 Oct 2023	05 Jan 2023
Machine Age	hrs	Client Info		3939	2959	2010
Oil Age	hrs	Client Info		0	0	1043
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	73	59	532
Iron	ppm	ASTM D5185m	>750	102	45	832
Chromium	ppm	ASTM D5185m	>9	1	<1	4
Nickel	ppm	ASTM D5185m	>10	1	<1	2
Titanium	ppm	ASTM D5185m		1	<1	4
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	12	2	60
Lead	ppm	ASTM D5185m	>15	<1	0	0
Copper	ppm	ASTM D5185m	>40	1	<1	1
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

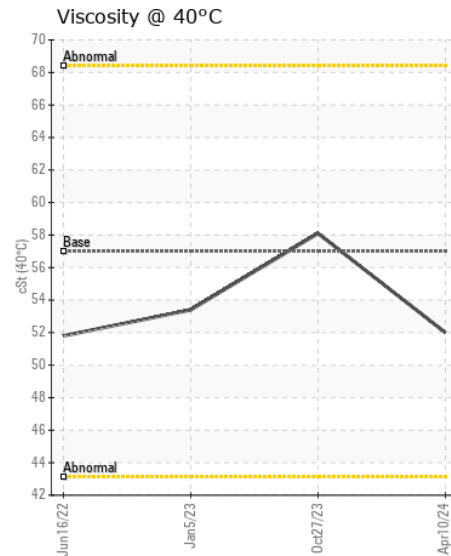
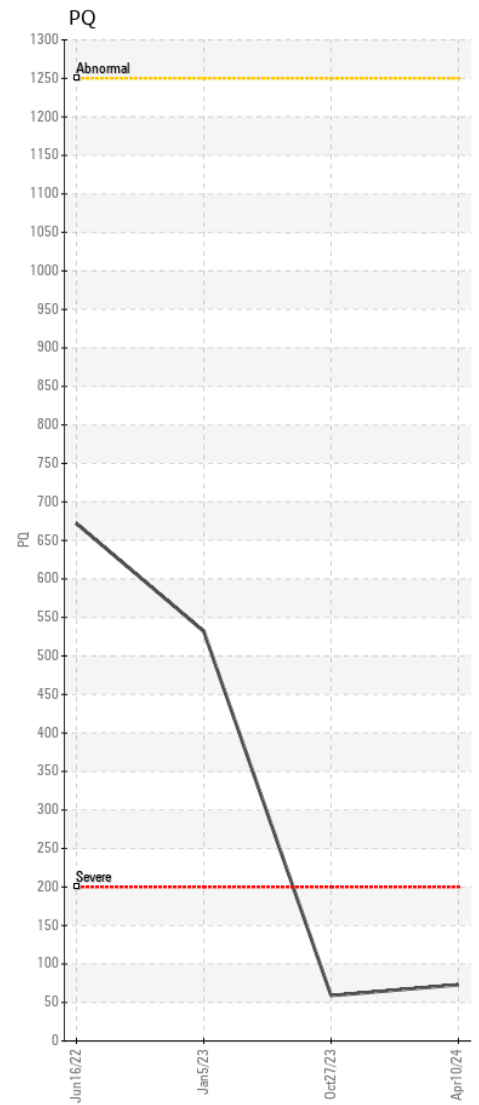
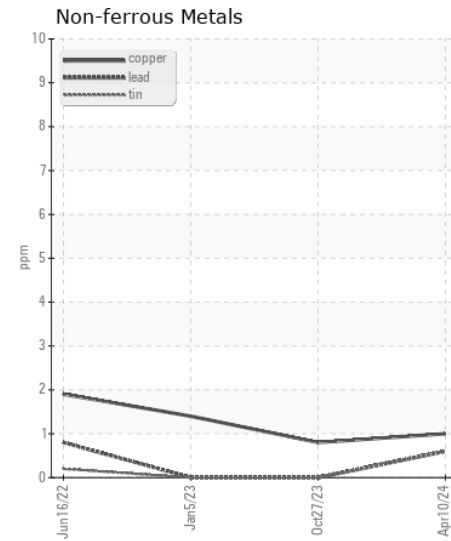
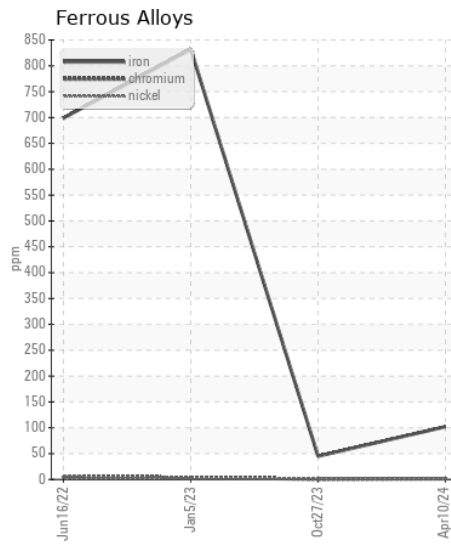
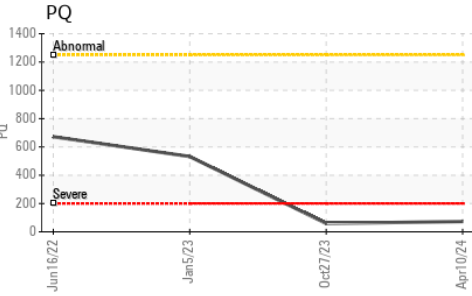
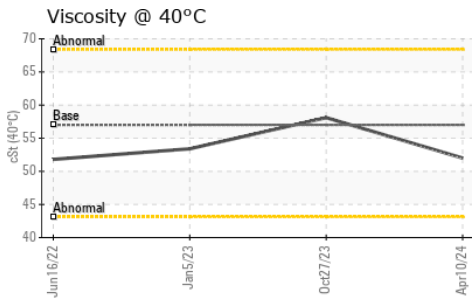
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	42	8	271
Potassium	ppm	ASTM D5185m	>20	4	2	16
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	LIGHT	LIGHT	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	0	0
Boron	ppm	ASTM D5185m	6	5	0	3
Barium	ppm	ASTM D5185m	0	2	3	0
Molybdenum	ppm	ASTM D5185m	0	4	<1	2
Manganese	ppm	ASTM D5185m		2	<1	6
Magnesium	ppm	ASTM D5185m	145	121	97	99
Calcium	ppm	ASTM D5185m	3570	3593	3170	3455
Phosphorus	ppm	ASTM D5185m	1290	1144	1128	1010
Zinc	ppm	ASTM D5185m	1640	1318	1216	1203
Sulfur	ppm	ASTM D5185m		4342	6029	3664
Visc @ 40°C	cSt	ASTM D445	57.0	52.0	58.1	53.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0211969 **Received** : 15 Apr 2024
Lab Number : 06148980 **Tested** : 16 Apr 2024
Unique Number : 10979058 **Diagnosed** : 16 Apr 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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