



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 850L 1T0850LXJMF395619

Component
Left Outer Final Drive

Fluid
JOHN DEERE HY-GARD HYDRAULIC/RANSMISSION (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0212973	JR0173515	JR0153070
Sample Date		Client Info		15 Apr 2024	23 Aug 2023	08 Nov 2022
Machine Age	hrs	Client Info		2542	2542	1954
Oil Age	hrs	Client Info		1954	588	1954
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	82	30	28
Iron	ppm	ASTM D5185m	>750	113	52	40
Chromium	ppm	ASTM D5185m	>9	2	<1	<1
Nickel	ppm	ASTM D5185m	>10	2	0	<1
Titanium	ppm	ASTM D5185m		1	<1	<1
Silver	ppm	ASTM D5185m		<1	0	<1
Aluminum	ppm	ASTM D5185m	>40	10	2	2
Lead	ppm	ASTM D5185m	>15	1	<1	<1
Copper	ppm	ASTM D5185m	>40	1	<1	<1
Tin	ppm	ASTM D5185m	>10	1	<1	2
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

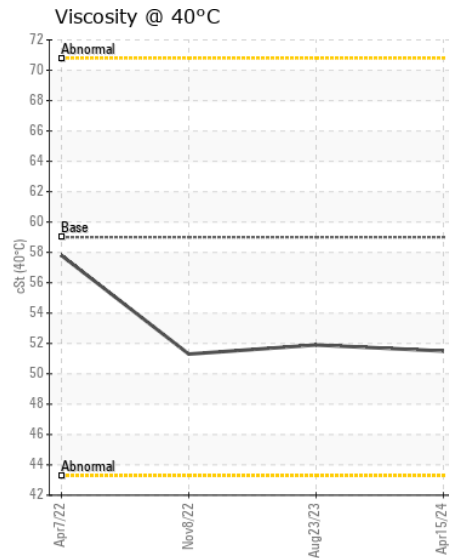
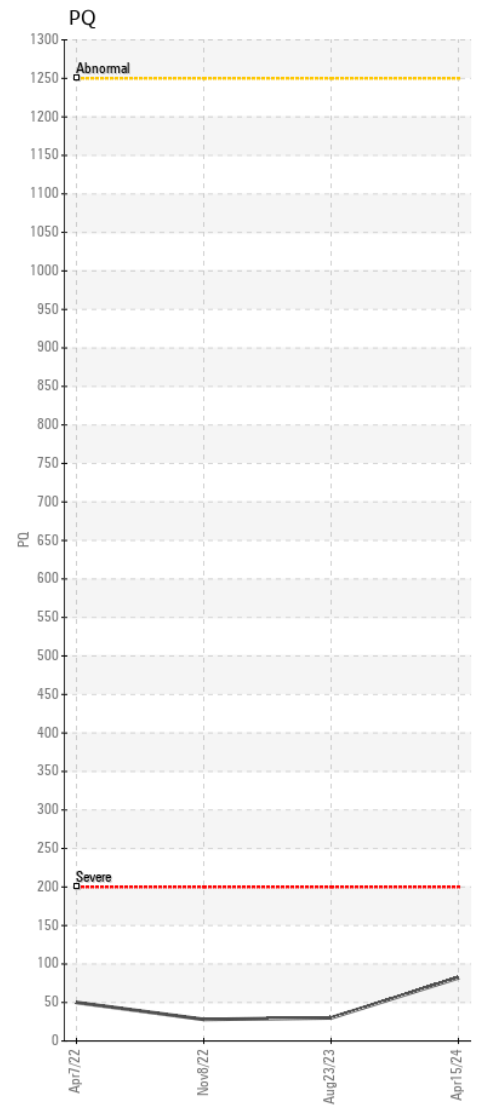
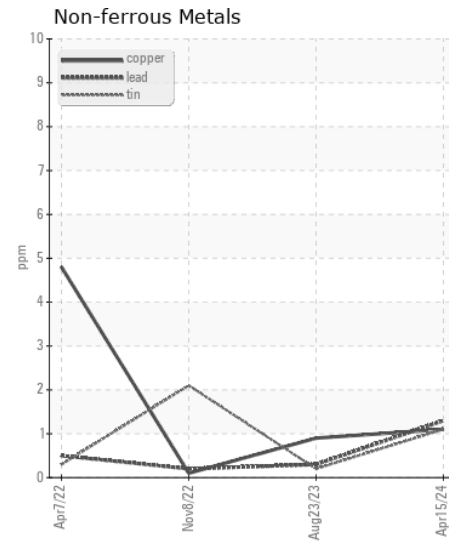
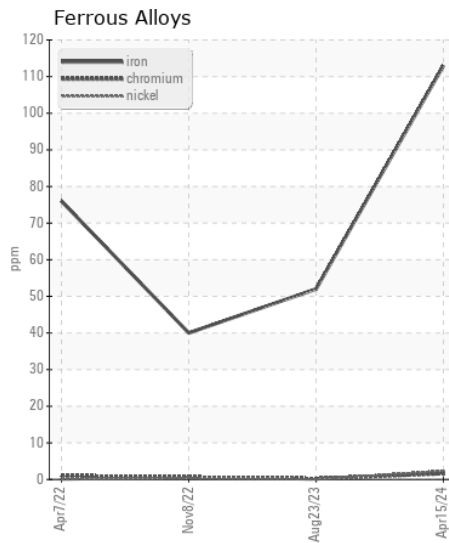
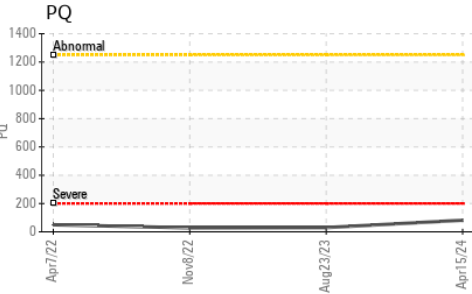
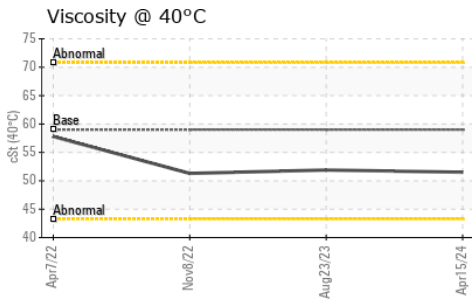
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	42	11	7
Potassium	ppm	ASTM D5185m	>20	3	0	0
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	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	8
Boron	ppm	ASTM D5185m		0	2	3
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		2	<1	1
Manganese	ppm	ASTM D5185m		2	<1	<1
Magnesium	ppm	ASTM D5185m		95	107	107
Calcium	ppm	ASTM D5185m		3416	3611	3527
Phosphorus	ppm	ASTM D5185m		1108	1058	993
Zinc	ppm	ASTM D5185m		1220	1270	1217
Sulfur	ppm	ASTM D5185m		4156	4449	3886
Visc @ 40°C	cSt	ASTM D445	59	51.5	51.9	51.3



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0212973 **Received** : 17 Apr 2024
Lab Number : 06152308 **Tested** : 19 Apr 2024
Unique Number : 10982386 **Diagnosed** : 22 Apr 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

JRE - GARNER
 4161 AUBURN CHURCH RD
 GARNER, NC
 US 27529
 Contact: RALEIGH SHOP
 sean.betts@jamesriverequipment.com; catherine.anastasio@wearcheck.com
 T: (919)614-2260
 F: (919)779-5432

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)