



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 850L 1T0850LXALF373672
 Component
Right Inner 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		JR0202236	JR0163820	JR0144975
Sample Date		Client Info		08 Feb 2024	07 Mar 2023	11 Oct 2022
Machine Age	hrs	Client Info		4484	3060	2549
Oil Age	hrs	Client Info		1424	2818	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Chngd	Changed	Not Chngd
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	13	9	11
Iron	ppm	ASTM D5185m	>750	0	36	3
Chromium	ppm	ASTM D5185m	>9	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	<1	3	1
Lead	ppm	ASTM D5185m	>15	1	0	4
Copper	ppm	ASTM D5185m	>40	<1	<1	0
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

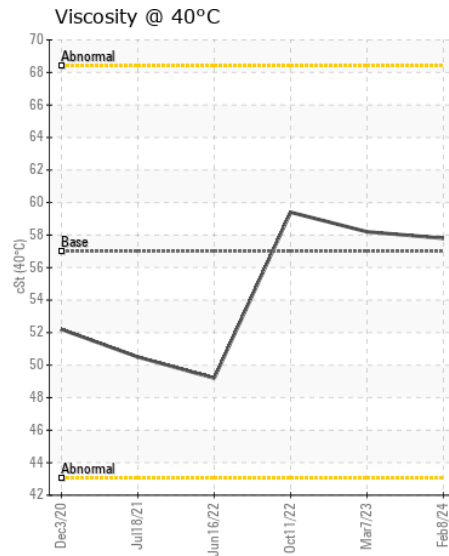
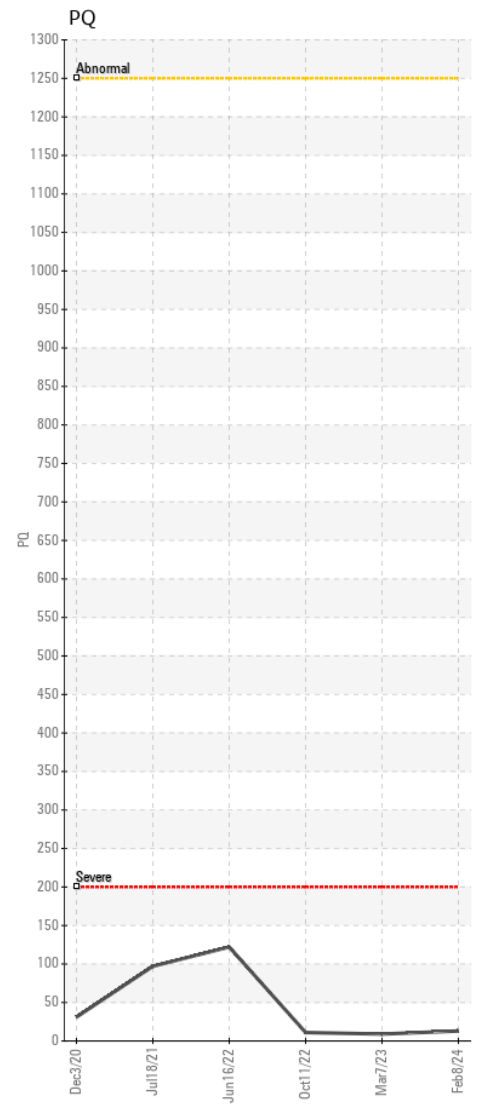
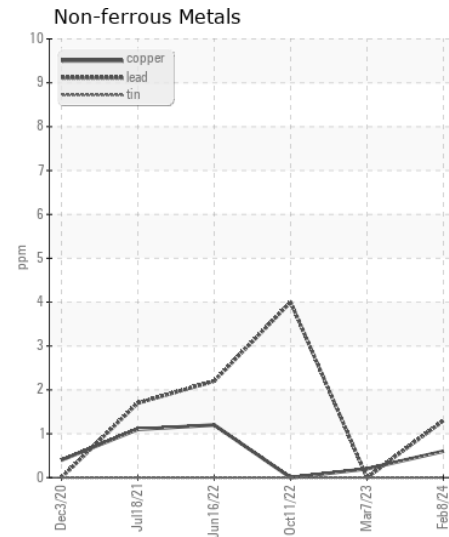
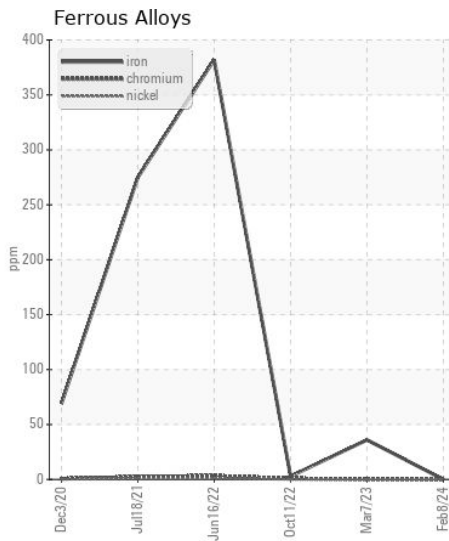
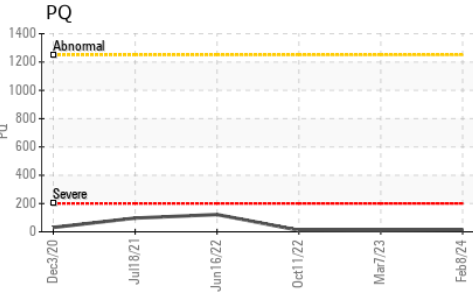
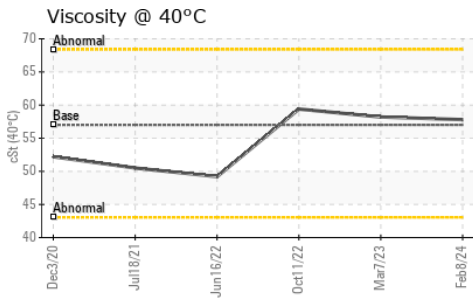
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	2	14	6
Potassium	ppm	ASTM D5185m	>20	0	2	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	0	0
Boron	ppm	ASTM D5185m	6	<1	1	0
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	<1	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	145	92	91	99
Calcium	ppm	ASTM D5185m	3570	3232	3393	3320
Phosphorus	ppm	ASTM D5185m	1290	930	987	952
Zinc	ppm	ASTM D5185m	1640	1174	1153	1208
Sulfur	ppm	ASTM D5185m		3285	3694	3656
Visc @ 40°C	cSt	ASTM D445	57.0	57.8	58.2	59.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0202236 **Received** : 09 Feb 2024
Lab Number : 06085036 **Tested** : 11 Feb 2024
Unique Number : 10872481 **Diagnosed** : 12 Feb 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)