



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[W7072]
 Machine Id
JOHN DEERE 843L C236596 (S/N 1DW843LRMF710940)
 Component
Front Differential
 Fluid
JOHN DEERE HY-GARD HYDRAULIC/RANSMISSION (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W7072)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0196817	JR0098250	---
Sample Date		Client Info		21 Jun 2024	23 Jun 2022	---
Machine Age	hrs	Client Info		5000	1155	---
Oil Age	hrs	Client Info		3845	1155	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	Changed	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		100	150	---
Iron	ppm	ASTM D5185m	>500	617	300	---
Chromium	ppm	ASTM D5185m	>10	4	3	---
Nickel	ppm	ASTM D5185m	>10	<1	<1	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	<1	---
Aluminum	ppm	ASTM D5185m	>25	2	3	---
Lead	ppm	ASTM D5185m	>25	2	2	---
Copper	ppm	ASTM D5185m	>100	24	17	---
Tin	ppm	ASTM D5185m	>10	<1	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

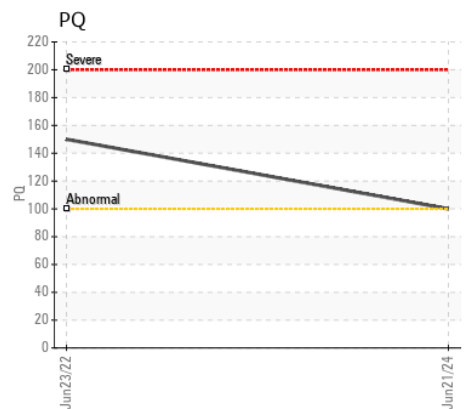
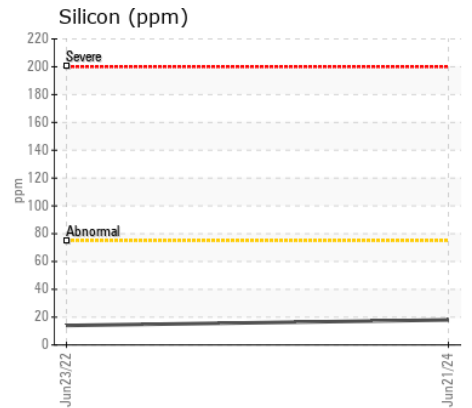
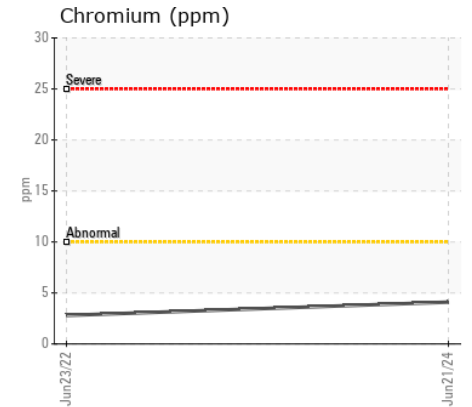
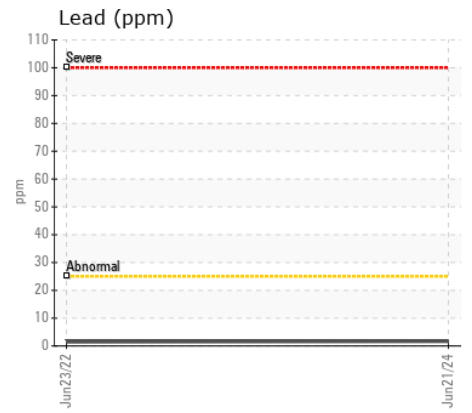
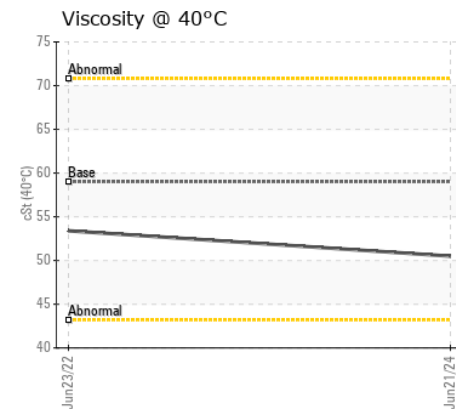
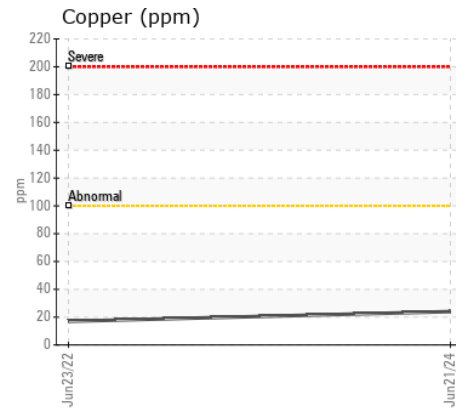
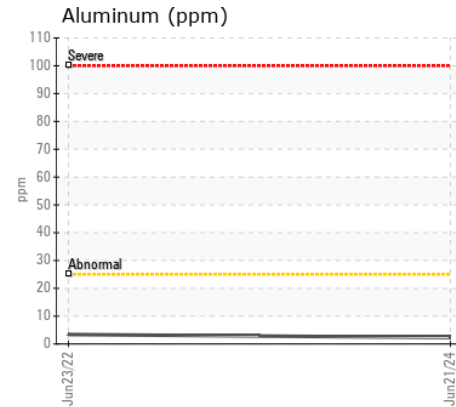
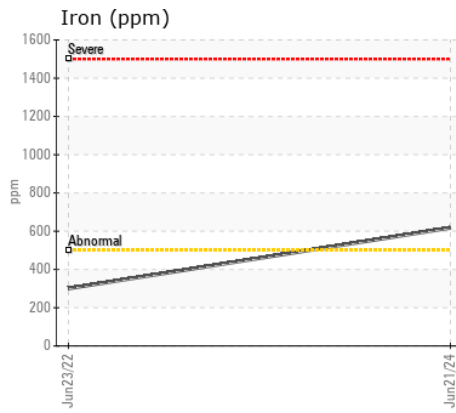
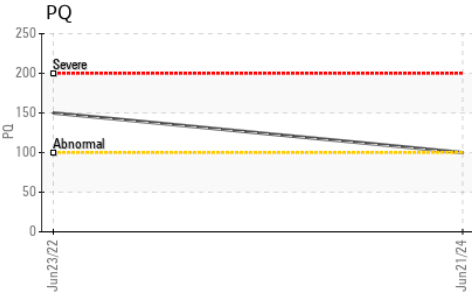
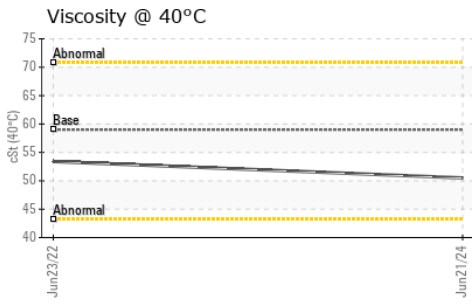
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>75	18	14	---
Potassium	ppm	ASTM D5185m	>20	2	0	---
Water		WC Method	>.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>.2	NEG	NEG	---

FLUID CONDITION

The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		4	2	---
Boron	ppm	ASTM D5185m		3	0	---
Barium	ppm	ASTM D5185m		2	2	---
Molybdenum	ppm	ASTM D5185m		<1	<1	---
Manganese	ppm	ASTM D5185m		9	7	---
Magnesium	ppm	ASTM D5185m		96	95	---
Calcium	ppm	ASTM D5185m		3423	3481	---
Phosphorus	ppm	ASTM D5185m		1045	1019	---
Zinc	ppm	ASTM D5185m		1195	1216	---
Sulfur	ppm	ASTM D5185m		4210	3532	---
Visc @ 40°C	cSt	ASTM D445	59	50.5	53.4	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0196817 **Received** : 26 Jun 2024
Lab Number : 06221479 **Tested** : 27 Jun 2024
Unique Number : 11099676 **Diagnosed** : 28 Jun 2024 - Sean Felton
Test Package : MOBCE (Additional Tests: PQ)

JRE - HOPE MILLS/FAYETTEVILLE
 5039 HWY 301 SOUTH
 HOPE MILLS, NC
 US 28348
 Contact: FAYETTEVILLE SHOP
 stephen.mullis@jamesriverequipment.com;canastasio@wearcheck.com

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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F: