



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 843L-II 1DW843LBEJF690922
 Component
Rear Differential
 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		JR0177198	JR0035820	---
Sample Date		Client Info		07 May 2024	04 Jan 2020	---
Machine Age	hrs	Client Info		7781	1020	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		21	61	---
Iron	ppm	ASTM D5185m	>500	222	144	---
Chromium	ppm	ASTM D5185m	>10	2	1	---
Nickel	ppm	ASTM D5185m	>10	0	<1	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	11	<1	---
Lead	ppm	ASTM D5185m	>25	0	2	---
Copper	ppm	ASTM D5185m	>100	<1	9	---
Tin	ppm	ASTM D5185m	>10	0	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

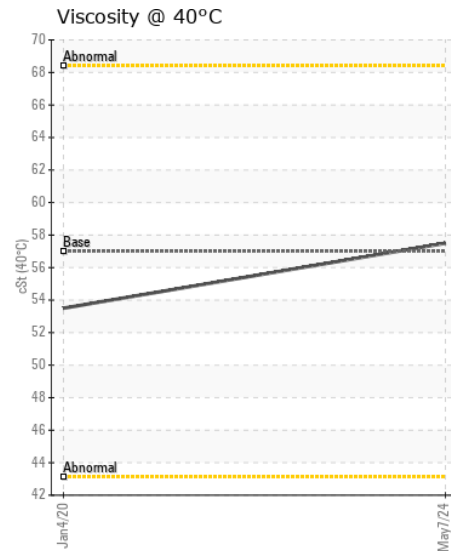
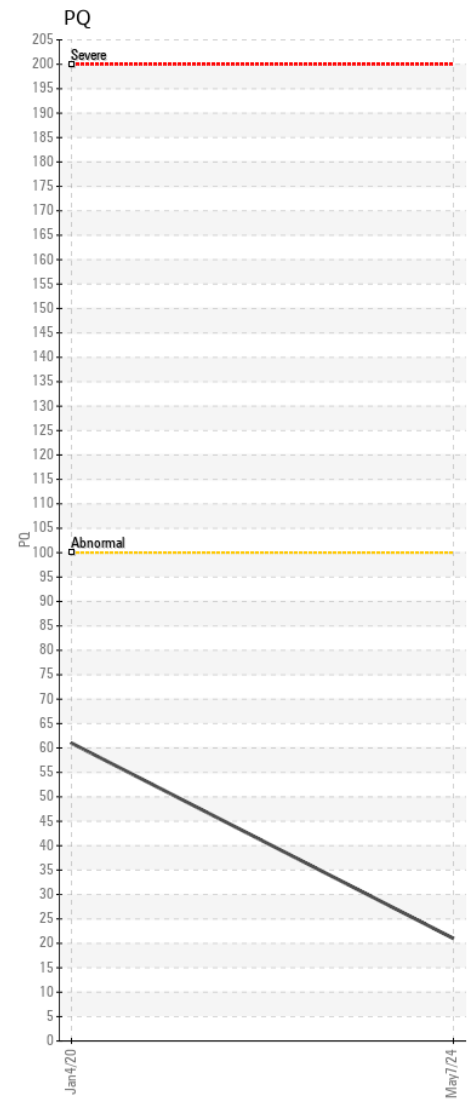
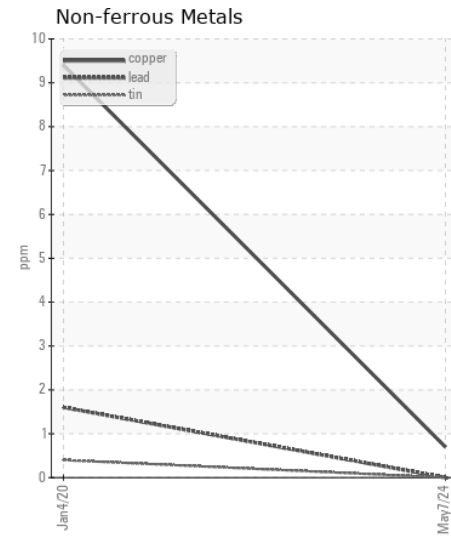
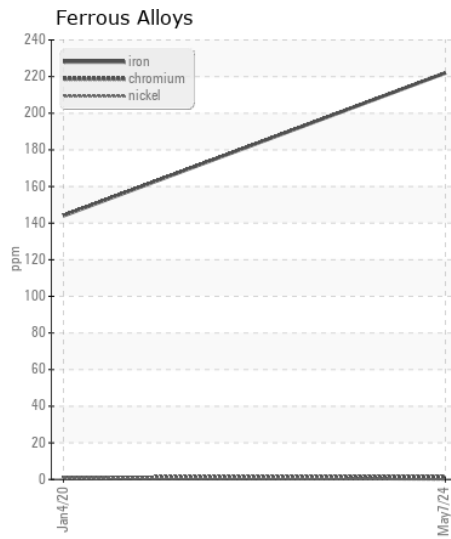
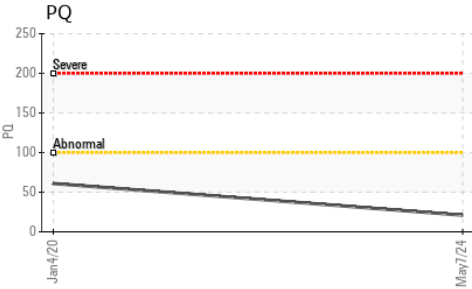
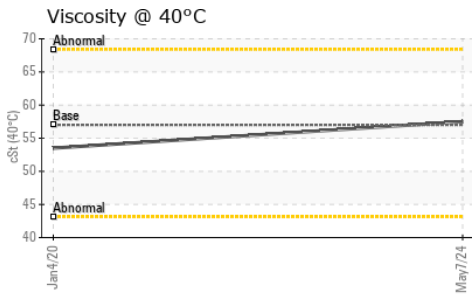
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	64	6	---
Potassium	ppm	ASTM D5185m	>20	1	4	---
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 oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		2	5	---
Boron	ppm	ASTM D5185m	6	0	3	---
Barium	ppm	ASTM D5185m	0	0	7	---
Molybdenum	ppm	ASTM D5185m	0	<1	0	---
Manganese	ppm	ASTM D5185m		1	6	---
Magnesium	ppm	ASTM D5185m	145	97	90	---
Calcium	ppm	ASTM D5185m	3570	3194	3343	---
Phosphorus	ppm	ASTM D5185m	1290	994	958	---
Zinc	ppm	ASTM D5185m	1640	1151	1102	---
Sulfur	ppm	ASTM D5185m		4552	4203	---
Visc @ 40°C	cSt	ASTM D445	57.0	57.5	53.5	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0177198 **Received** : 21 May 2024
Lab Number : 06186465 **Tested** : 22 May 2024
Unique Number : 11043217 **Diagnosed** : 23 May 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - MOUNT GILEAD
 305 NORTH MAIN STREET
 MOUNT GILEAD, NC
 US 27306

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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)