



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 768L-II 1DW768LBCMF712062

Component
Rear Differential

Fluid
JOHN DEERE GL-5 80W90 (4 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0161248	JR0110320	---
Sample Date		Client Info		09 Feb 2024	12 Jan 2022	---
Machine Age	hrs	Client Info		4470	502	---
Oil Age	hrs	Client Info		0	502	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		16	114	---
Iron	ppm	ASTM D5185m	>500	29	94	---
Chromium	ppm	ASTM D5185m	>10	0	2	---
Nickel	ppm	ASTM D5185m	>10	0	0	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	0	2	---
Lead	ppm	ASTM D5185m	>25	0	0	---
Copper	ppm	ASTM D5185m	>100	27	52	---
Tin	ppm	ASTM D5185m	>10	0	2	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

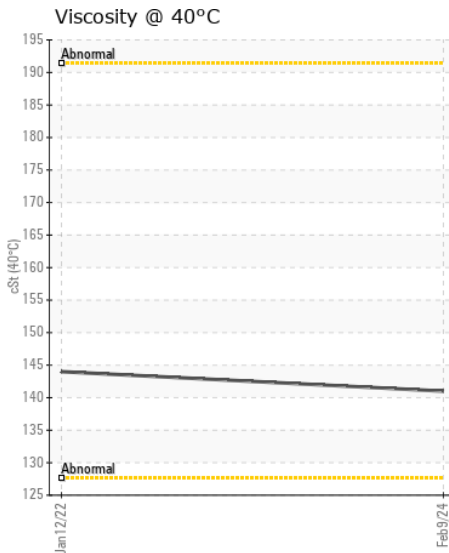
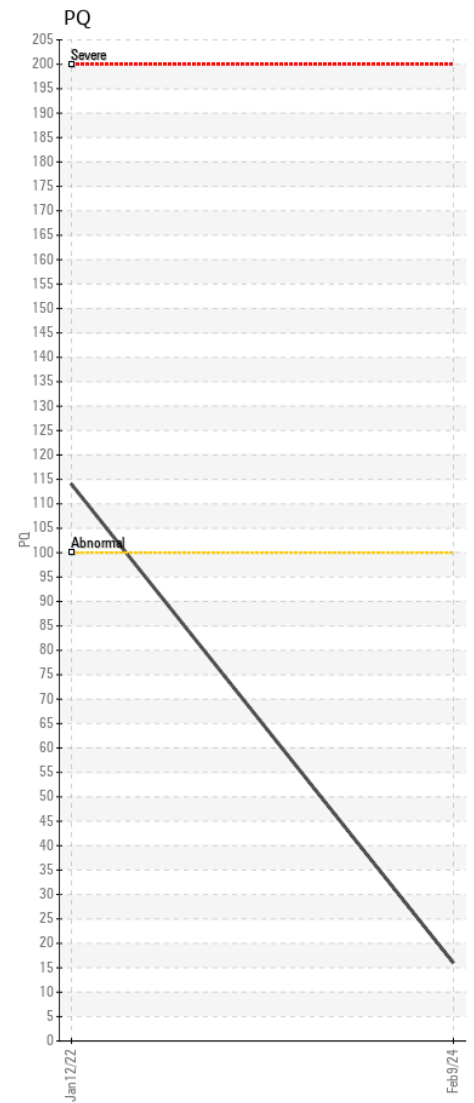
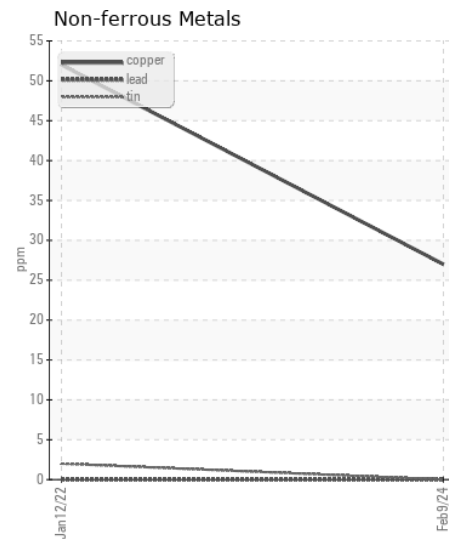
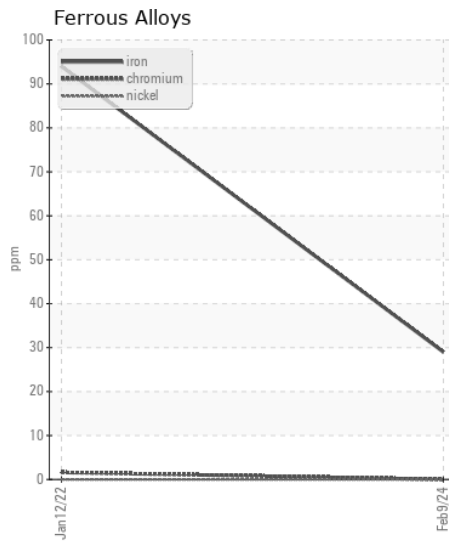
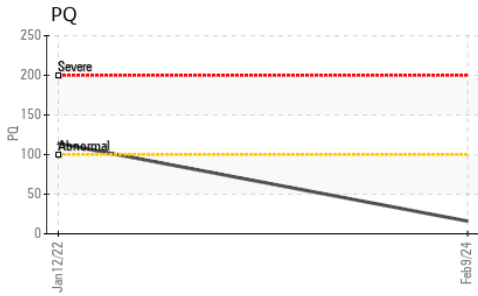
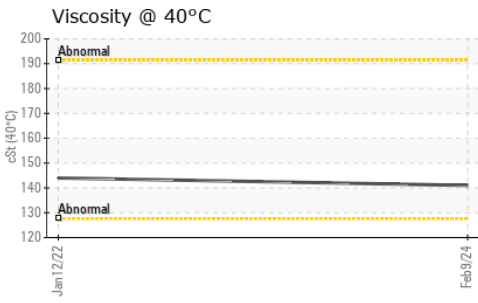
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	2	6	---
Potassium	ppm	ASTM D5185m	>20	0	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 oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		0	2	---
Boron	ppm	ASTM D5185m		6	360	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		0	<1	---
Manganese	ppm	ASTM D5185m		0	4	---
Magnesium	ppm	ASTM D5185m		16	624	---
Calcium	ppm	ASTM D5185m		9	64	---
Phosphorus	ppm	ASTM D5185m		343	1092	---
Zinc	ppm	ASTM D5185m		4	44	---
Sulfur	ppm	ASTM D5185m		19072	21997	---
Visc @ 40°C	cSt	ASTM D445		141	144	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : JR0161248

Lab Number : 06086252

Unique Number : 10873697

Test Package : CONST (Additional Tests: PQ)

Received : 12 Feb 2024

Tested : 13 Feb 2024

Diagnosed : 13 Feb 2024 - Sean Felton

JRE - MOUNT GILEAD

305 NORTH MAIN STREET

MOUNT GILEAD, NC

US 27306

Contact: ADAM CRUMP

adam.crump@jamesriverequipment.com

T:

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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