



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id
JOHN DEERE 35G 5008398 (S/N 1FF035GXJJK287949)

Component
Right Final Drive

Fluid
JOHN DEERE GL-5 80W90 (1 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0196393	JR0078655	---
Sample Date		Client Info		05 Feb 2024	21 Apr 2021	---
Machine Age	hrs	Client Info		1178	503	---
Oil Age	hrs	Client Info		1178	503	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ATTENTION	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	120	61	---
Iron	ppm	ASTM D5185m	>750	202	98	---
Chromium	ppm	ASTM D5185m	>9	3	2	---
Nickel	ppm	ASTM D5185m	>10	<1	<1	---
Titanium	ppm	ASTM D5185m		1	2	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>40	2	2	---
Lead	ppm	ASTM D5185m	>15	0	0	---
Copper	ppm	ASTM D5185m	>40	3	2	---
Tin	ppm	ASTM D5185m	>10	0	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

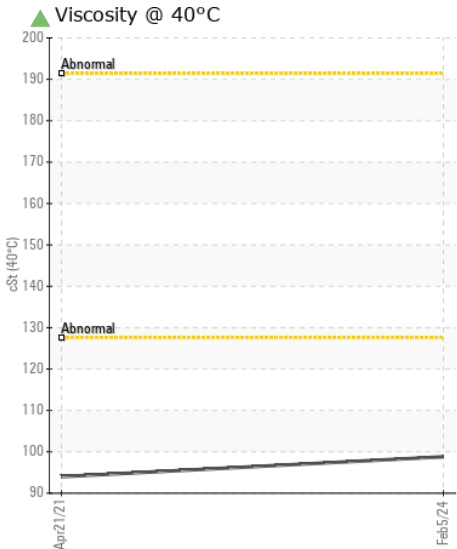
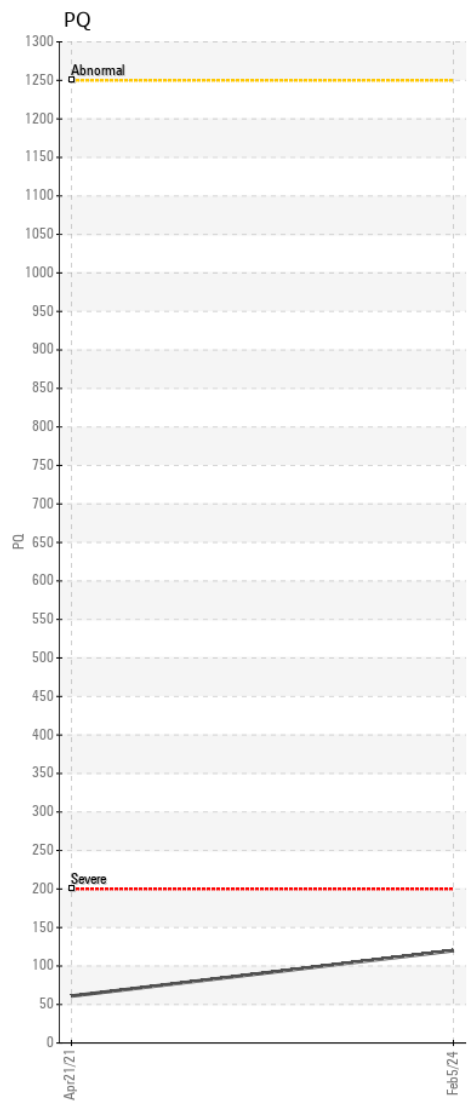
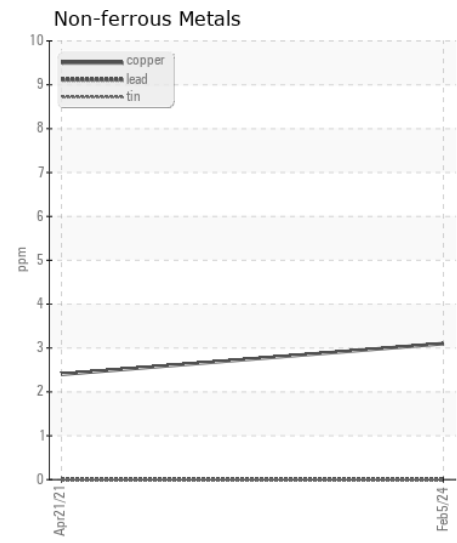
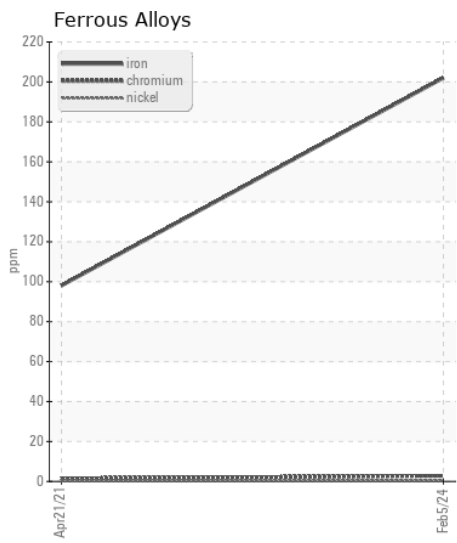
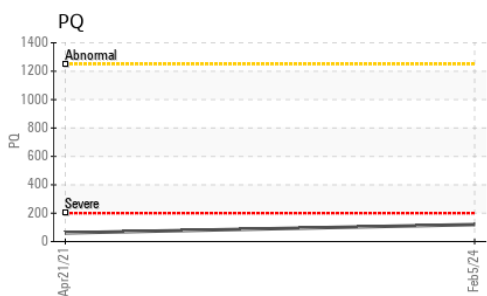
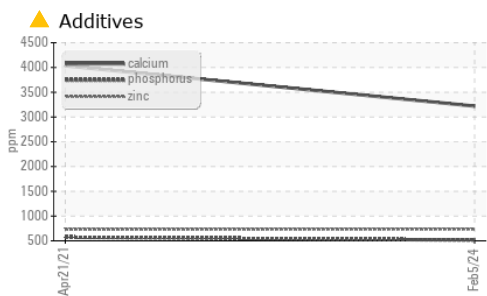
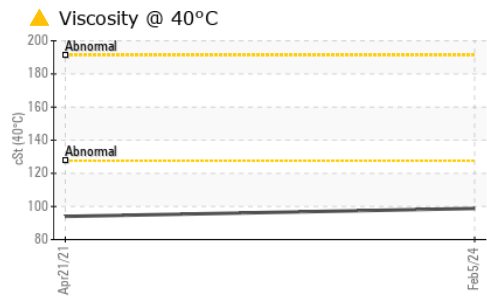
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	19	9	---
Potassium	ppm	ASTM D5185m	>20	2	0	---
Water		WC Method	>0.075	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	>0.075	NEG	NEG	---

FLUID CONDITION

The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Sodium	ppm	ASTM D5185m	>51	0	2	---
Boron	ppm	ASTM D5185m		▲ 13	14	---
Barium	ppm	ASTM D5185m		22	23	---
Molybdenum	ppm	ASTM D5185m		16	15	---
Manganese	ppm	ASTM D5185m		2	2	---
Magnesium	ppm	ASTM D5185m		9	10	---
Calcium	ppm	ASTM D5185m		▲ 3220	4034	---
Phosphorus	ppm	ASTM D5185m		▲ 514	572	---
Zinc	ppm	ASTM D5185m		▲ 734	731	---
Sulfur	ppm	ASTM D5185m		▲ 2459	2089	---
Visc @ 40°C	cSt	ASTM D445		▲ 98.8	94.0	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0196393 **Received** : 07 Feb 2024
Lab Number : 06082771 **Tested** : 08 Feb 2024
Unique Number : 10870216 **Diagnosed** : 09 Feb 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

JRE - CASTLE HAYNE
 113 CROWATAN ROAD
 CASTLE HAYNE, NC
 US 28429-5819
 Contact: WILMINGTON SHOP

To discuss this sample report, contact Customer Service at 1-800-237-1369.

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* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

T: (910)675-9211

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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