



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[47518]

Machine Id

JOHN DEERE 325G 1T0325GKEPJ447890

Component

Left Final Drive

Fluid

GEAR OIL LS 80W90 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0218196	---	---
Sample Date		Client Info		05 Jul 2024	---	---
Machine Age	hrs	Client Info		491	---	---
Oil Age	hrs	Client Info		491	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---

WEAR

Gear wear is indicated. All other metal levels are typical for a new component breaking in.

PQ		ASTM D8184	>1250	132	---	---
Iron	ppm	ASTM D5185m	>750	▲ 1506	---	---
Chromium	ppm	ASTM D5185m	>9	▲ 26	---	---
Nickel	ppm	ASTM D5185m	>10	2	---	---
Titanium	ppm	ASTM D5185m		1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>40	7	---	---
Lead	ppm	ASTM D5185m	>15	0	---	---
Copper	ppm	ASTM D5185m	>40	2	---	---
Tin	ppm	ASTM D5185m	>10	0	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

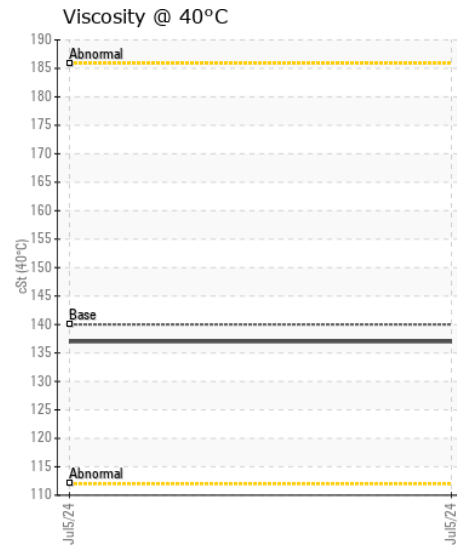
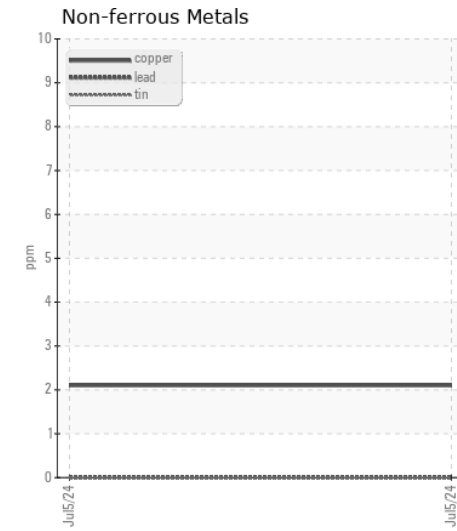
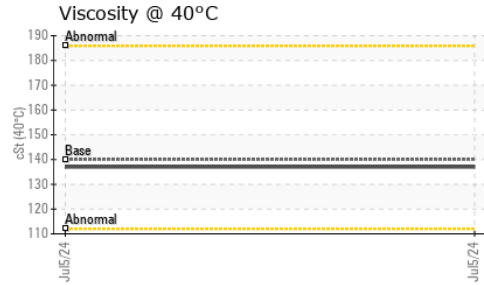
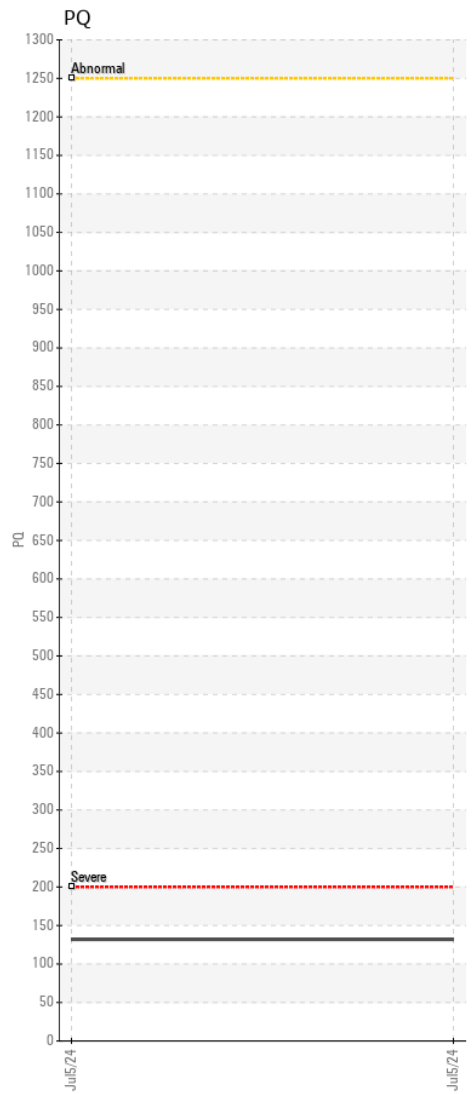
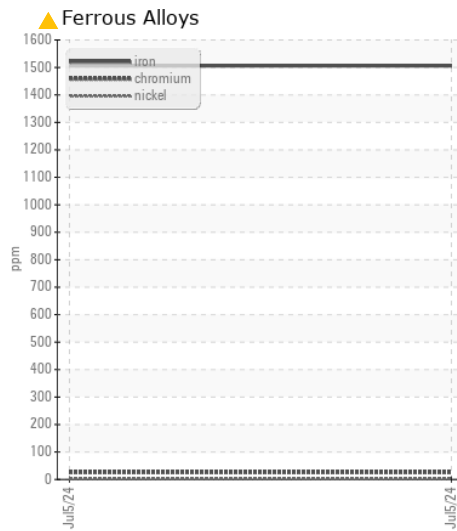
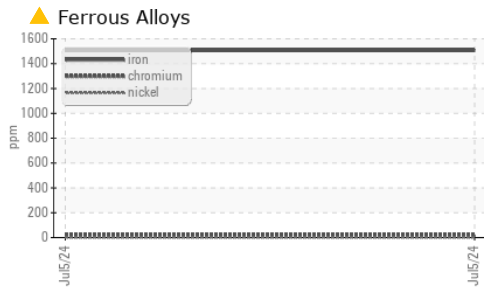
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	28	---	---
Potassium	ppm	ASTM D5185m	>20	33	---	---
Water		WC Method	>0.075	NEG	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.075	NEG	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	13	---	---
Boron	ppm	ASTM D5185m	150	2	---	---
Barium	ppm	ASTM D5185m		78	---	---
Molybdenum	ppm	ASTM D5185m		2	---	---
Manganese	ppm	ASTM D5185m		16	---	---
Magnesium	ppm	ASTM D5185m	10	5	---	---
Calcium	ppm	ASTM D5185m	70	66	---	---
Phosphorus	ppm	ASTM D5185m	2000	238	---	---
Zinc	ppm	ASTM D5185m	50	22	---	---
Sulfur	ppm	ASTM D5185m	20000	17108	---	---
Visc @ 40°C	cSt	ASTM D445	140	137	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0218196 **Received** : 09 Jul 2024
Lab Number : 06231772 **Tested** : 10 Jul 2024
Unique Number : 11115265 **Diagnosed** : 11 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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 9107 OWENS DRIVE
 MANASSAS PARK, VA
 US 20111

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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)