



Area

[16W16286]

Machine Id

JOHN DEERE 325G 1T0325GMPNJ413418

Component

Left Final Drive

Fluid

JOHN DEERE GL-5 80W90 (1 QTS)

RECOMMENDATION

No corrective action is recommended at this time. We recommend an early resample to monitor this condition. (Customer Sample Comment: 16W16286)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0207190	---	---
Sample Date		Client Info		21 May 2024	---	---
Machine Age	hrs	Client Info		336	---	---
Oil Age	hrs	Client Info		336	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Not Changd	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---

WEAR

Gear wear is indicated.

PQ		ASTM D8184	>1250	51	---	---
Iron	ppm	ASTM D5185m	>750	▲ 698	---	---
Chromium	ppm	ASTM D5185m	>9	▲ 15	---	---
Nickel	ppm	ASTM D5185m	>10	<1	---	---
Titanium	ppm	ASTM D5185m		1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>40	5	---	---
Lead	ppm	ASTM D5185m	>15	1	---	---
Copper	ppm	ASTM D5185m	>40	<1	---	---
Tin	ppm	ASTM D5185m	>10	<1	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

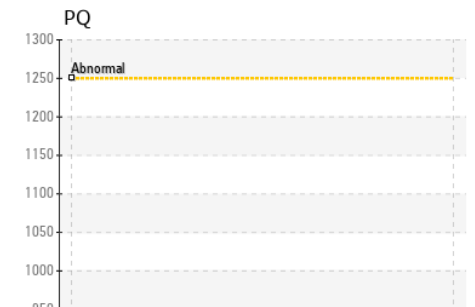
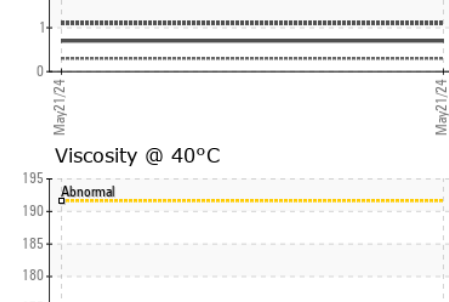
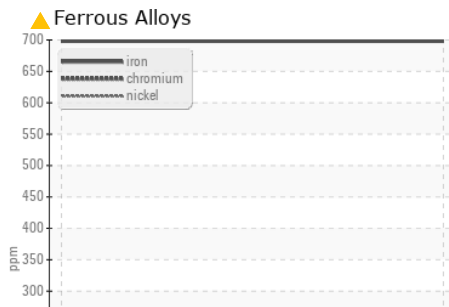
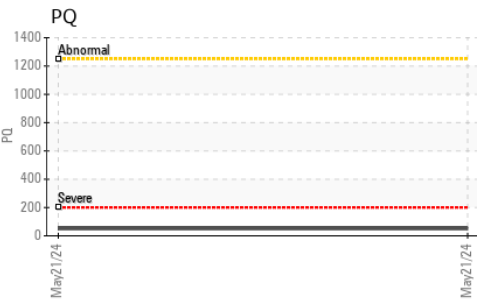
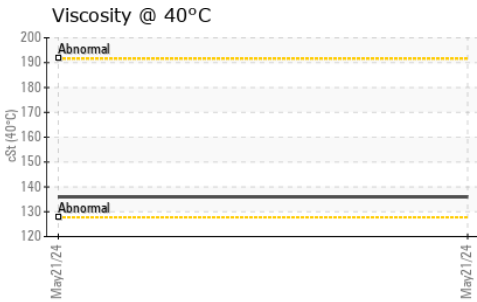
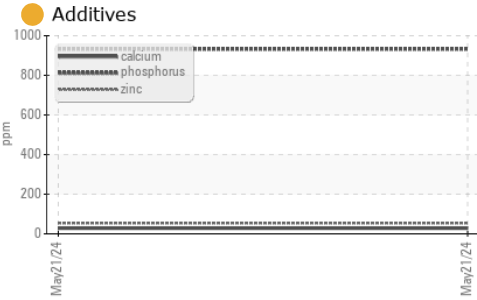
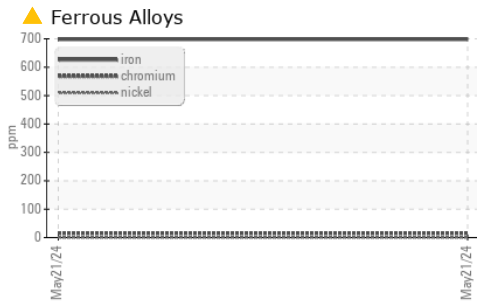
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	45	---	---
Potassium	ppm	ASTM D5185m	>20	45	---	---
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	15	---	---
Boron	ppm	ASTM D5185m		97	---	---
Barium	ppm	ASTM D5185m		76	---	---
Molybdenum	ppm	ASTM D5185m		<1	---	---
Manganese	ppm	ASTM D5185m		10	---	---
Magnesium	ppm	ASTM D5185m		0	---	---
Calcium	ppm	ASTM D5185m		28	---	---
Phosphorus	ppm	ASTM D5185m		● 933	---	---
Zinc	ppm	ASTM D5185m		54	---	---
Sulfur	ppm	ASTM D5185m		26989	---	---
Visc @ 40°C	cSt	ASTM D445		136	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0207190 **Received** : 22 May 2024
Lab Number : 06187952 **Tested** : 24 May 2024
Unique Number : 11044704 **Diagnosed** : 24 May 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

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)

JRE - CASTLE HAYNE
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