



OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id

JOHN DEERE 333G 1T0333GMLPF446273

Component

Right Final Drive

Fluid

GEAR OIL SAE 80W90 (--- GAL)

DIAGNOSIS

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.

Wear

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

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

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

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			JR0211383	---	---
Sample Date	Client Info			10 May 2024	---	---
Machine Age	hrs	Client Info		470	---	---
Oil Age	hrs	Client Info		0	---	---
Oil Changed	Client Info			Changed	---	---
Sample Status				ABNORMAL	---	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.075	NEG	---	---

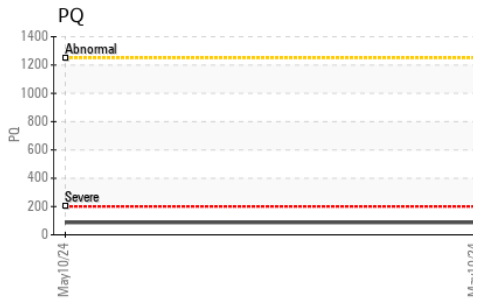
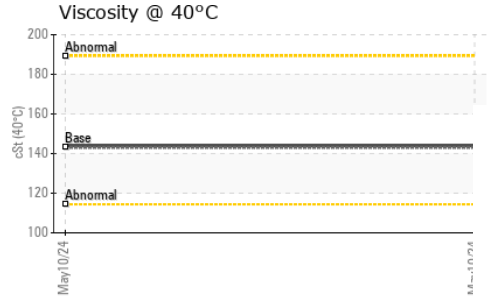
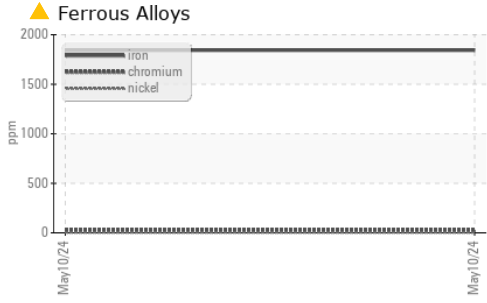
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>1250	87	---	---
Iron	ppm	ASTM D5185m	>750	▲ 1843	---	---
Chromium	ppm	ASTM D5185m	>9	▲ 31	---	---
Nickel	ppm	ASTM D5185m	>10	3	---	---
Titanium	ppm	ASTM D5185m		1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>40	6	---	---
Lead	ppm	ASTM D5185m	>15	0	---	---
Copper	ppm	ASTM D5185m	>40	6	---	---
Tin	ppm	ASTM D5185m	>10	<1	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
Cadmium	ppm	ASTM D5185m		<1	---	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	400	2	---	---
Barium	ppm	ASTM D5185m	200	78	---	---
Molybdenum	ppm	ASTM D5185m	12	2	---	---
Manganese	ppm	ASTM D5185m		18	---	---
Magnesium	ppm	ASTM D5185m	12	4	---	---
Calcium	ppm	ASTM D5185m	150	20	---	---
Phosphorus	ppm	ASTM D5185m	1650	227	---	---
Zinc	ppm	ASTM D5185m	125	0	---	---
Sulfur	ppm	ASTM D5185m	22500	17795	---	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	28	---	---
Sodium	ppm	ASTM D5185m	>170	11	---	---
Potassium	ppm	ASTM D5185m	>20	20	---	---

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Precipitate	scalar	*Visual	NONE	NONE	---	---
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	---	---
Free Water	scalar	*Visual		NEG	---	---

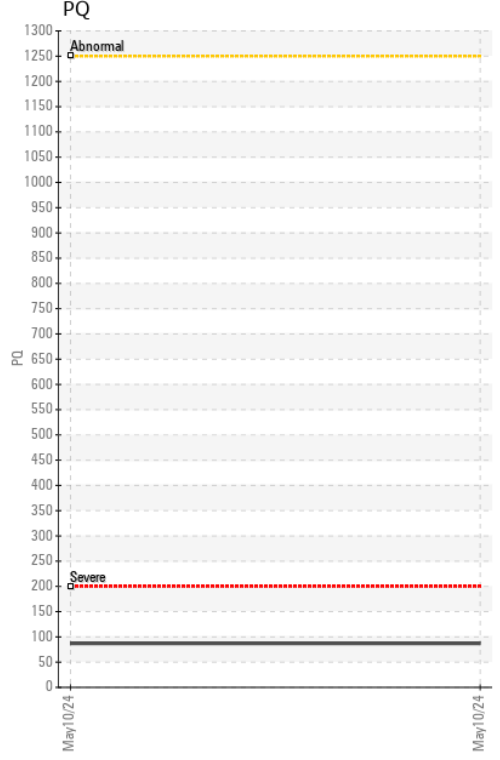
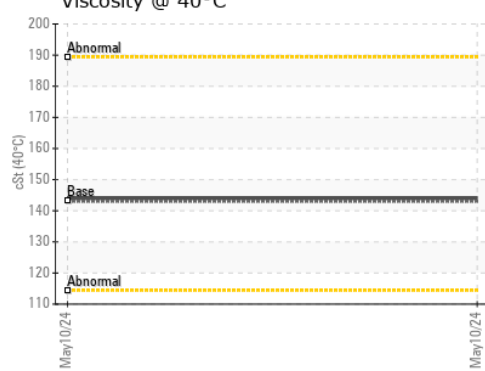
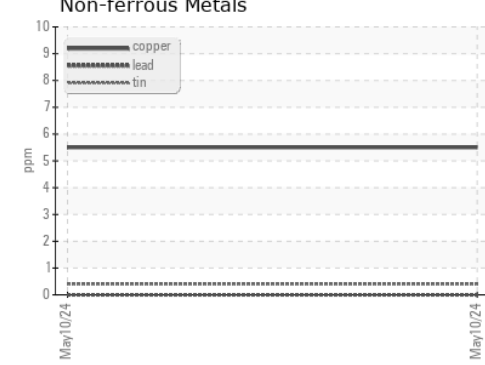
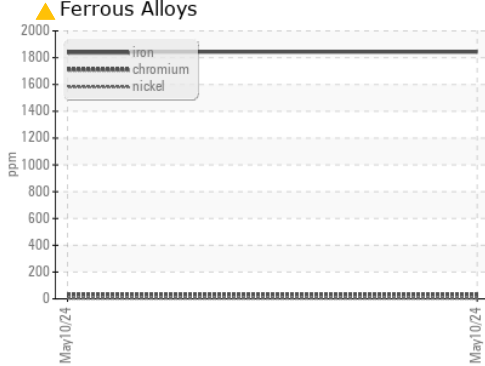
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	143	144	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
Color				no image	no image
Bottom				no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0211383 **Received** : 13 May 2024
Lab Number : **06177429** **Tested** : 14 May 2024
Unique Number : 11023482 **Diagnosed** : 15 May 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - ASHLAND
 11047 LEADBETTER RD
 ASHLAND, VA
 US 23005
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 F: (804)798-0292

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)