



WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 333E 1T0333EMAFE281041
 Component
Left Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (27 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.

WEAR

The iron level has decreased, but is still abnormal. The chromium level has decreased, but is still abnormal. Gear wear is indicated.

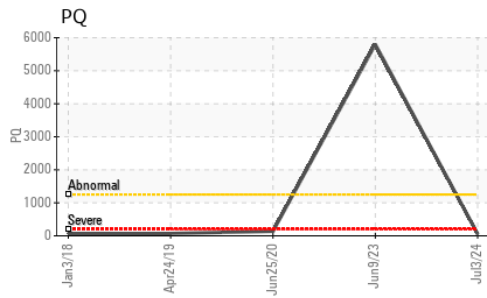
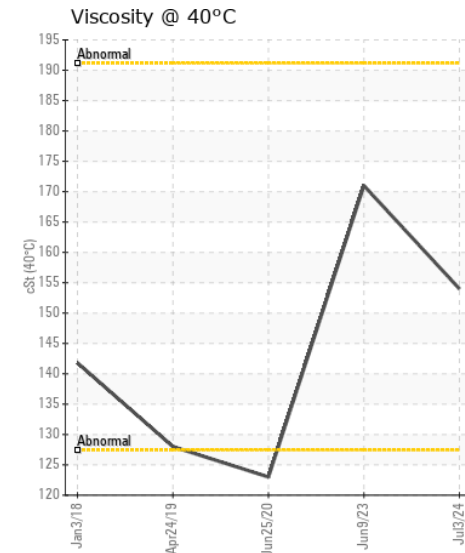
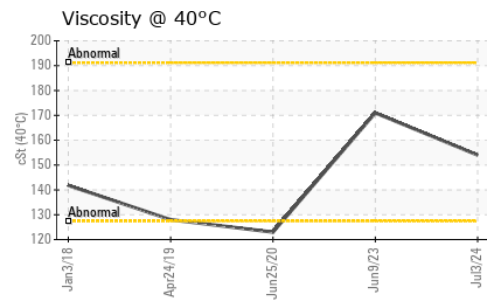
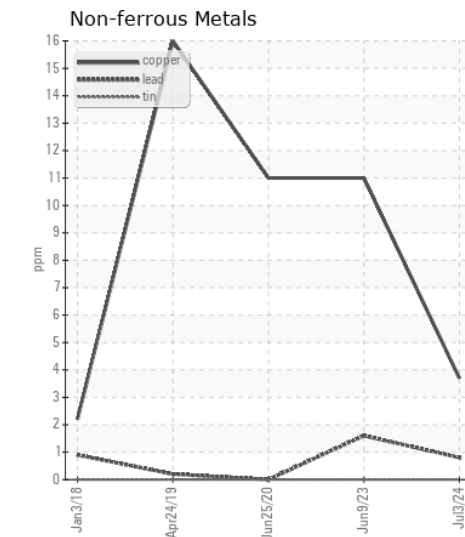
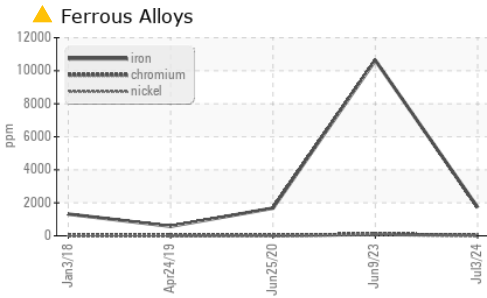
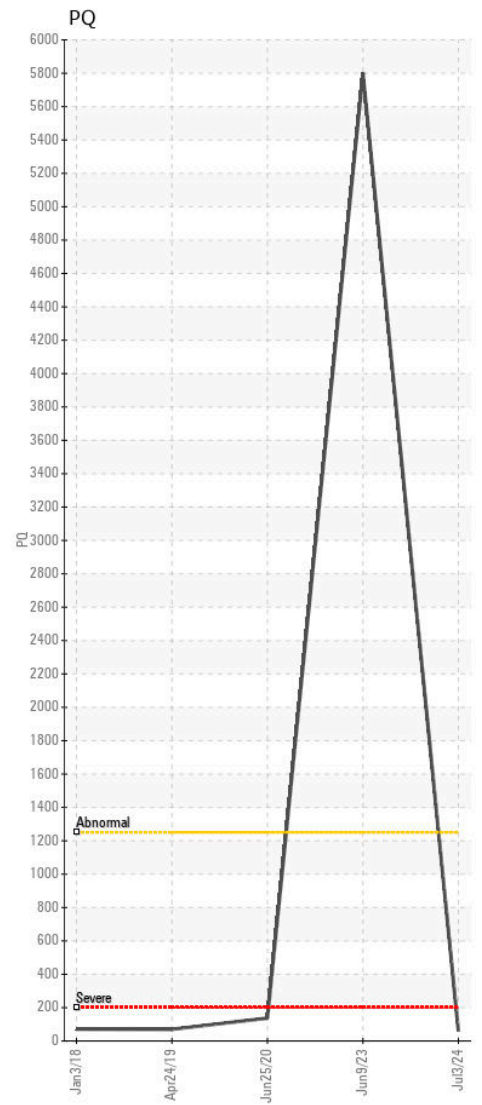
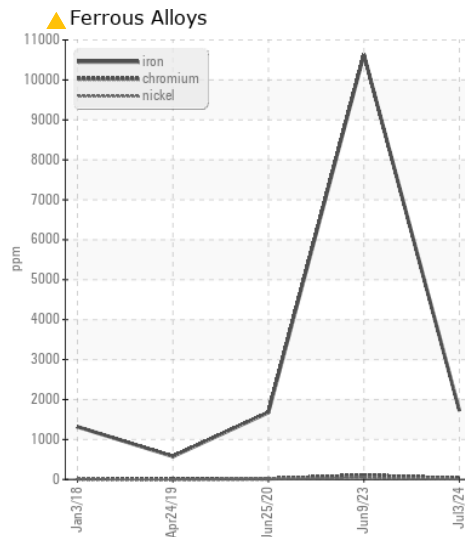
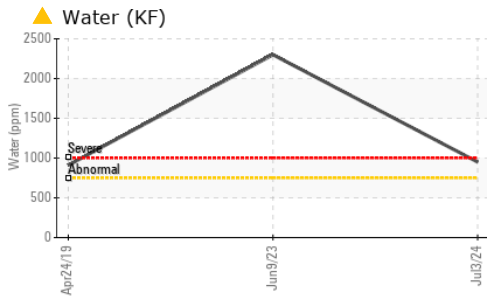
CONTAMINATION

There is a light concentration of water present in the oil.

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0225541	JR0176125	JR0051913
Sample Date		Client Info		03 Jul 2024	09 Jun 2023	25 Jun 2020
Machine Age	hrs	Client Info		4113	3676	2497
Oil Age	hrs	Client Info		0	3676	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Not Changd
Filter Changed		Client Info		Changed	N/A	N/A
Sample Status				ABNORMAL	SEVERE	ABNORMAL
PQ		ASTM D8184	>1250	60	5799	137
Iron	ppm	ASTM D5185m	>750	▲ 1723	▲ 10632	▲ 1676
Chromium	ppm	ASTM D5185m	>9	▲ 24	▲ 104	14
Nickel	ppm	ASTM D5185m	>10	3	▲ 43	7
Titanium	ppm	ASTM D5185m		1	111	4
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	9	● 743	● 47
Lead	ppm	ASTM D5185m	>15	<1	2	0
Copper	ppm	ASTM D5185m	>40	4	11	11
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	3	1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	29	▲ 3386	▲ 250
Potassium	ppm	ASTM D5185m	>20	21	282	16
Water	%	ASTM D6304	>0.075	▲ 0.095	▲ 0.230	---
ppm Water	ppm	ASTM D6304	>750	▲ 950	▲ 2300	---
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	▲ MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	0.2%	0.2%	NEG
Sodium	ppm	ASTM D5185m	>51	8	57	4
Boron	ppm	ASTM D5185m		4	122	178
Barium	ppm	ASTM D5185m		56	99	0
Molybdenum	ppm	ASTM D5185m		1	12	1
Manganese	ppm	ASTM D5185m		17	100	12
Magnesium	ppm	ASTM D5185m		9	79	31
Calcium	ppm	ASTM D5185m		17	113	98
Phosphorus	ppm	ASTM D5185m		288	770	1048
Zinc	ppm	ASTM D5185m		<1	57	141
Sulfur	ppm	ASTM D5185m		19636	34144	16927
Visc @ 40°C	cSt	ASTM D445		154	171	123



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0225541 **Received** : 08 Jul 2024
Lab Number : 06230462 **Tested** : 10 Jul 2024
Unique Number : 11113955 **Diagnosed** : 10 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: KF, PQ)

JRE - MANASSAS PARK
 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)