



WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
ABNORMAL
NORMAL

Area

[05W45993]

Machine Id

JOHN DEERE 1FF350PALNF000201

Component

Right Final Drive

Fluid

JOHN DEERE GL-5 80W90 (10 QTS)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

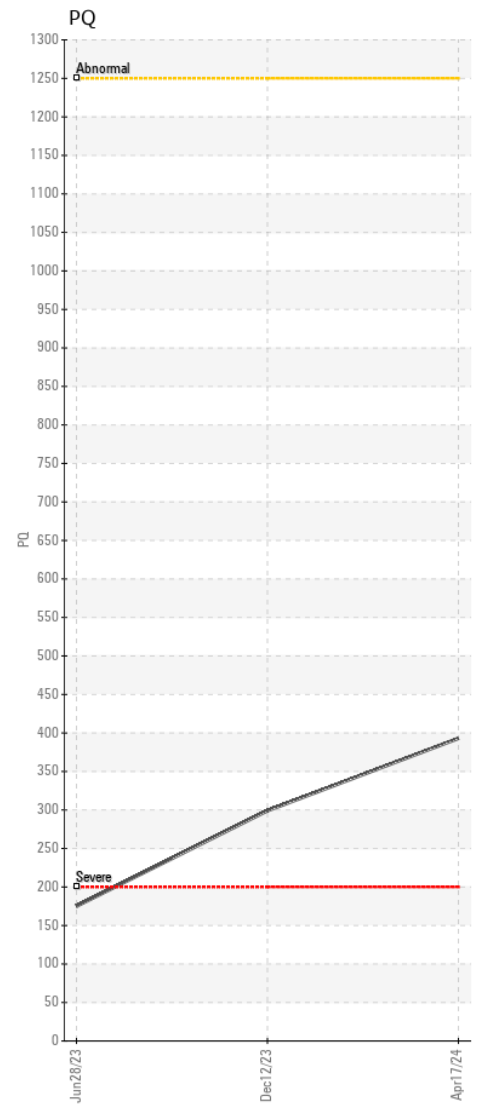
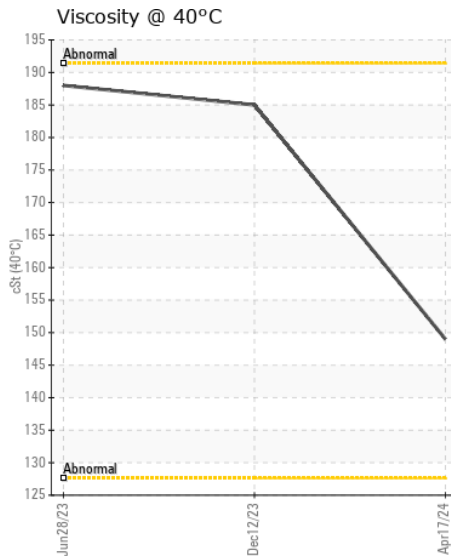
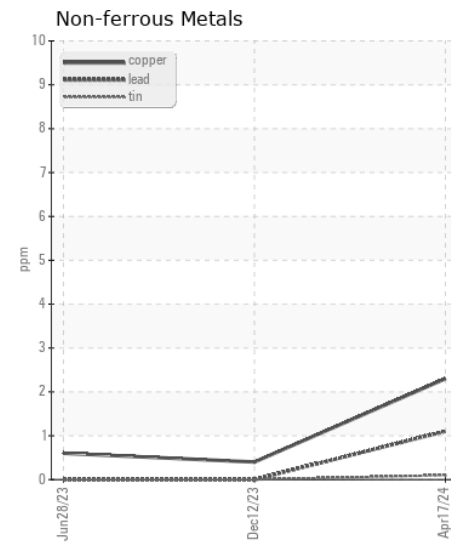
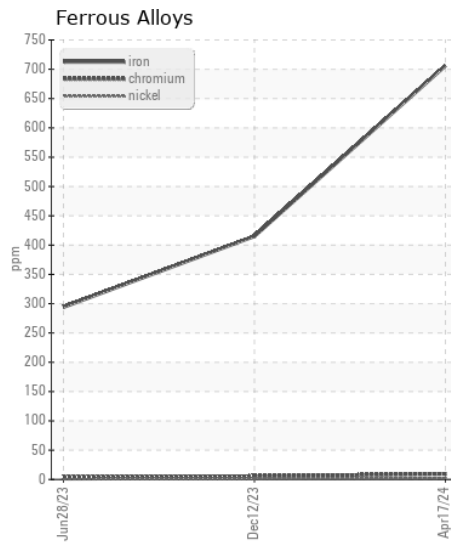
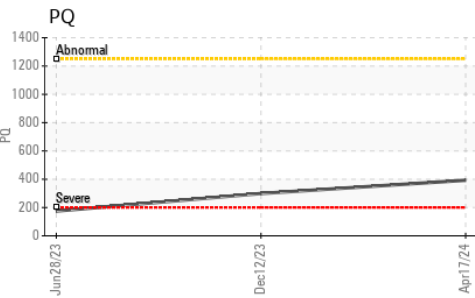
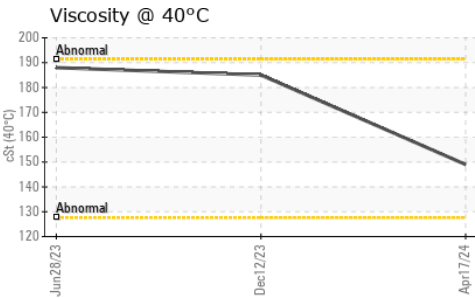
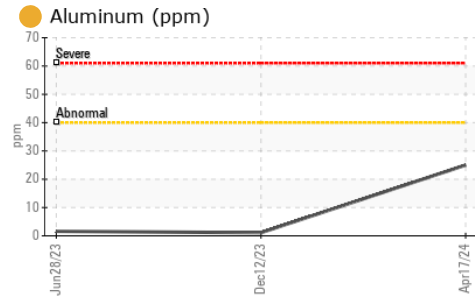
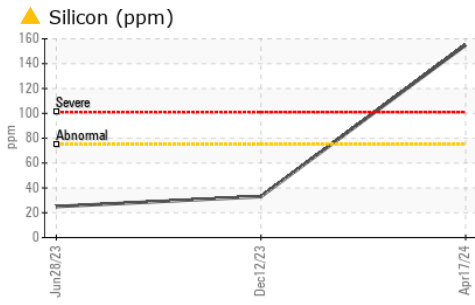
CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

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		JR0210928	JR0195820	JR0169749
Sample Date		Client Info		17 Apr 2024	12 Dec 2023	28 Jun 2023
Machine Age	hrs	Client Info		1440	962	484
Oil Age	hrs	Client Info		478	962	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		N/A	None	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL
PQ		ASTM D8184	>1250	393	299	175
Iron	ppm	ASTM D5185m	>750	706	415	294
Chromium	ppm	ASTM D5185m	>9	9	6	4
Nickel	ppm	ASTM D5185m	>10	2	<1	<1
Titanium	ppm	ASTM D5185m		4	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	25	1	2
Lead	ppm	ASTM D5185m	>15	1	0	0
Copper	ppm	ASTM D5185m	>40	2	<1	<1
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	155	33	25
Potassium	ppm	ASTM D5185m	>20	7	2	<1
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
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	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m	>51	<1	0	1
Boron	ppm	ASTM D5185m		20	83	89
Barium	ppm	ASTM D5185m		2	0	2
Molybdenum	ppm	ASTM D5185m		1	0	0
Manganese	ppm	ASTM D5185m		10	7	6
Magnesium	ppm	ASTM D5185m		6	<1	0
Calcium	ppm	ASTM D5185m		95	21	19
Phosphorus	ppm	ASTM D5185m		400	501	560
Zinc	ppm	ASTM D5185m		36	6	1
Sulfur	ppm	ASTM D5185m		19650	17419	19314
Visc @ 40°C	cSt	ASTM D445		149	185	188



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0210928 **Received** : 18 Apr 2024
Lab Number : 06153371 **Tested** : 22 Apr 2024
Unique Number : 10983449 **Diagnosed** : 22 Apr 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

FITZGERALD EXCAVATING
 PO BOX 2168
 WINCHESTER, VA
 US 22604
 Contact: Service Manager

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)

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F: