



WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
SEVERE
NORMAL

Area

[05W47740]

Machine Id

JOHN DEERE 350G 1FF350GXVJF813095

Component

Left Final Drive

Fluid

JOHN DEERE GL-5 80W90 (10 QTS)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

WEAR

All component wear rates are normal.

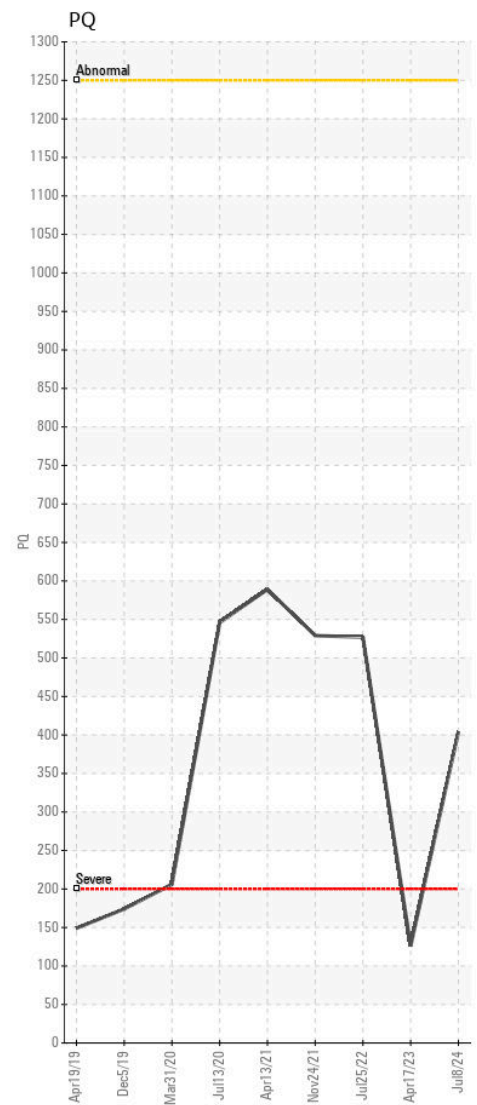
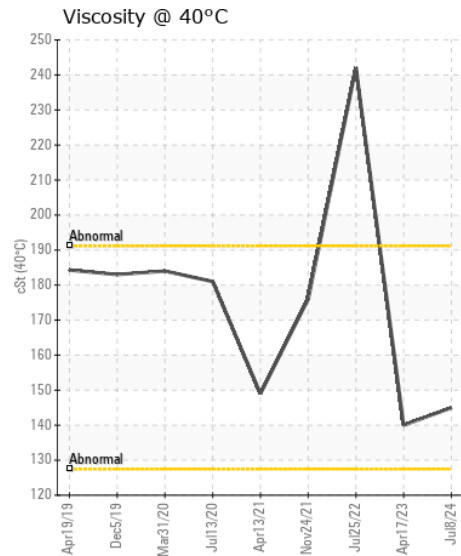
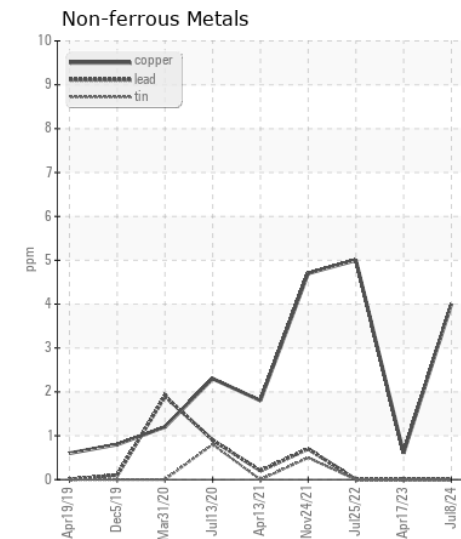
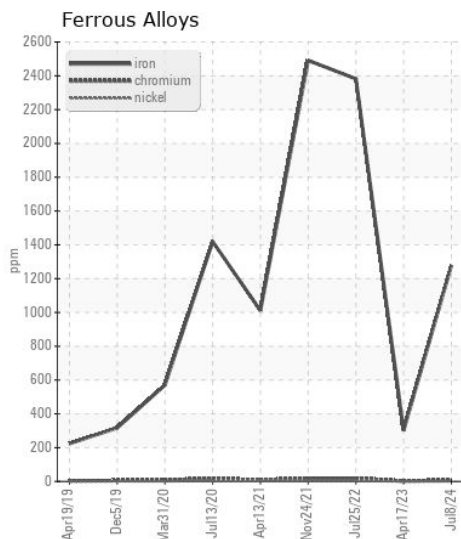
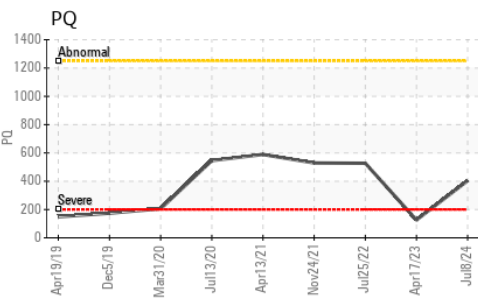
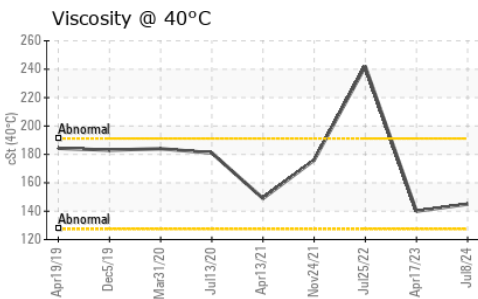
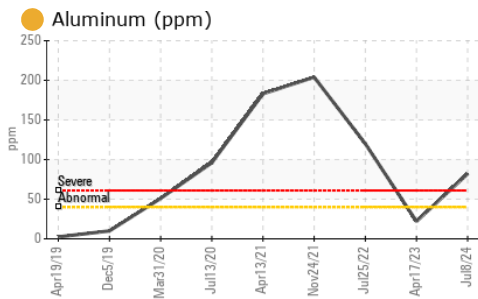
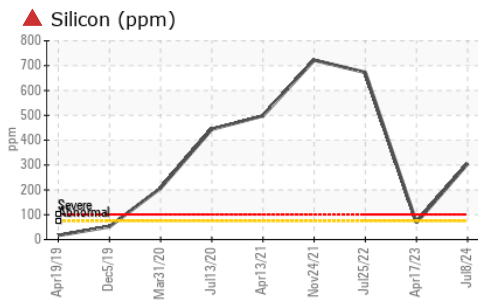
CONTAMINATION

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

FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0225436	JR0169038	JR0137160
Sample Date		Client Info		08 Jul 2024	17 Apr 2023	25 Jul 2022
Machine Age	hrs	Client Info		5018	4447	3935
Oil Age	hrs	Client Info		4289	512	2505
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		N/A	None	N/A
Sample Status				SEVERE	ABNORMAL	SEVERE
PQ		ASTM D8184	>1250	404	126	527
Iron	ppm	ASTM D5185m	>750	1278	302	2382
Chromium	ppm	ASTM D5185m	>9	8	2	19
Nickel	ppm	ASTM D5185m	>10	<1	0	2
Titanium	ppm	ASTM D5185m		7	1	16
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>40	82	22	120
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>40	4	<1	5
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	MODER	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	305	68	673
Potassium	ppm	ASTM D5185m	>20	21	6	50
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	MODER	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	12	<1	25
Boron	ppm	ASTM D5185m		5	4	26
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		1	4	1
Manganese	ppm	ASTM D5185m		9	2	20
Magnesium	ppm	ASTM D5185m		19	21	39
Calcium	ppm	ASTM D5185m		71	38	52
Phosphorus	ppm	ASTM D5185m		328	292	282
Zinc	ppm	ASTM D5185m		29	24	14
Sulfur	ppm	ASTM D5185m		19670	18996	18679
Visc @ 40°C	cSt	ASTM D445		145	140	242



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0225436 **Received** : 09 Jul 2024
Lab Number : 06231754 **Tested** : 10 Jul 2024
Unique Number : 11115247 **Diagnosed** : 11 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - MANASSAS PARK
 9107 OWENS DRIVE
 MANASSAS PARK, VA
 US 20111

Contact: DON VEST
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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)