



WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
SEVERE
NORMAL

Machine Id
JOHN DEERE 350G 1FF350GXTKF814127
Component
Right Final Drive
Fluid
JOHN DEERE GL-5 80W90 (2 GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

WEAR

All component wear rates are normal.

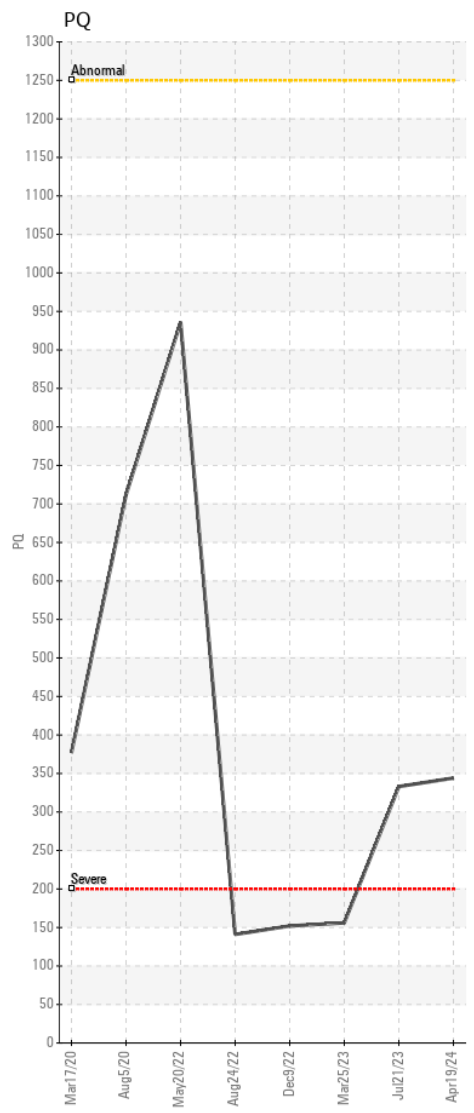
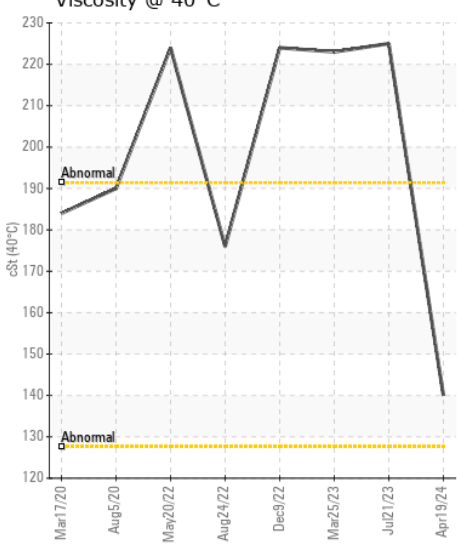
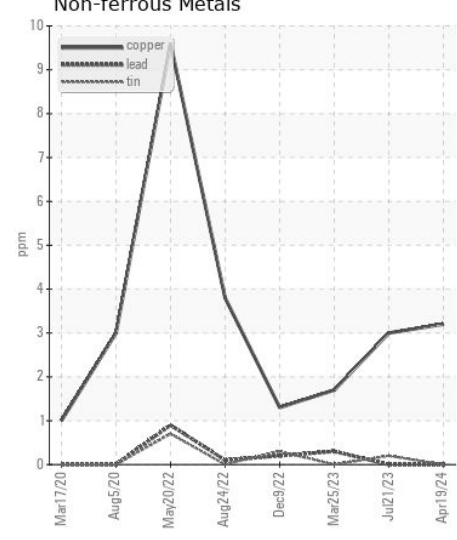
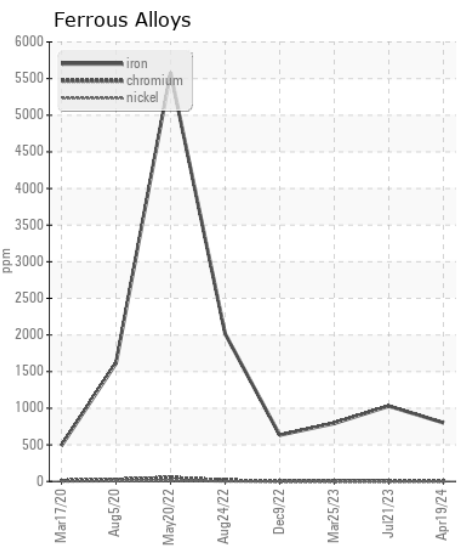
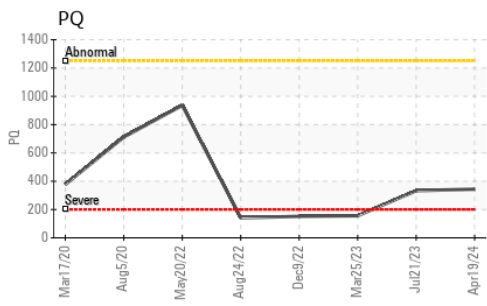
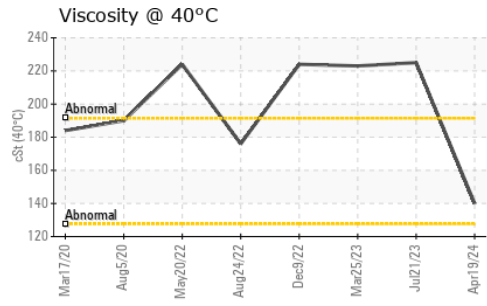
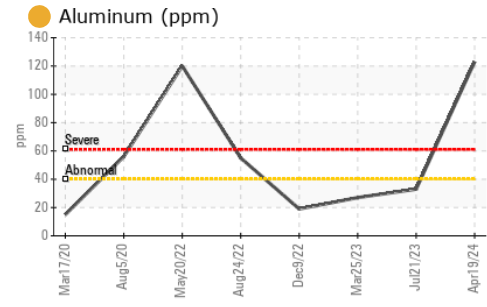
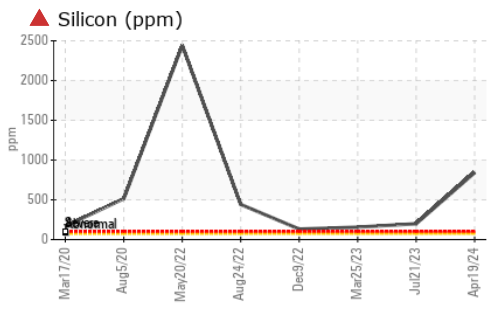
CONTAMINATION

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		JR0208833	JR0176654	JR0161012
Sample Date		Client Info		19 Apr 2024	21 Jul 2023	25 Mar 2023
Machine Age	hrs	Client Info		4973	4065	3624
Oil Age	hrs	Client Info		908	3451	1591
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	ABNORMAL	ABNORMAL
PQ		ASTM D8184	>1250	344	333	156
Iron	ppm	ASTM D5185m	>750	801	1029	793
Chromium	ppm	ASTM D5185m	>9	6	6	5
Nickel	ppm	ASTM D5185m	>10	3	1	2
Titanium	ppm	ASTM D5185m		10	3	2
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	123	33	27
Lead	ppm	ASTM D5185m	>15	0	0	<1
Copper	ppm	ASTM D5185m	>40	3	3	2
Tin	ppm	ASTM D5185m	>10	0	<1	0
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	MODER	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	842	199	156
Potassium	ppm	ASTM D5185m	>20	30	4	4
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	MODER	LIGHT	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	23	3	3
Boron	ppm	ASTM D5185m		17	563	487
Barium	ppm	ASTM D5185m		3	<1	0
Molybdenum	ppm	ASTM D5185m		<1	<1	<1
Manganese	ppm	ASTM D5185m		8	8	6
Magnesium	ppm	ASTM D5185m		33	950	880
Calcium	ppm	ASTM D5185m		34	59	20
Phosphorus	ppm	ASTM D5185m		386	1773	1691
Zinc	ppm	ASTM D5185m		7	37	15
Sulfur	ppm	ASTM D5185m		21394	28316	29877
Visc @ 40°C	cSt	ASTM D445		140	225	223



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0208833 **Received** : 22 Apr 2024
Lab Number : 06156244 **Tested** : 23 Apr 2024
Unique Number : 10991667 **Diagnosed** : 24 Apr 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

JRE - ELIZABETH CITY
 129 KNOBBS CREEK DR
 ELIZABETH CITY, NC
 US 27909
 Contact: CHARLES PARKER
 charles.parker@jamesriverequipment.com
 T: (252)333-2280
 F:

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)