



WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
SEVERE
NORMAL

Machine Id
HITACHI 210-6 1ffdc571jmf341002
Component
Right Final Drive
Fluid
JOHN DEERE GL-5 80W90 (--- GAL)

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. Time on oil not given.

WEAR

Gear wear is indicated.

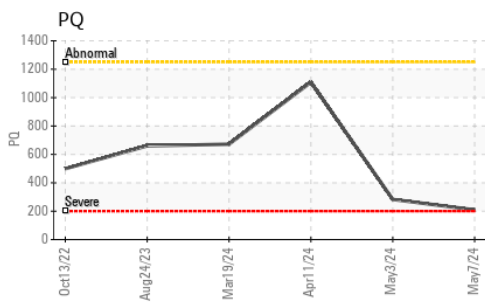
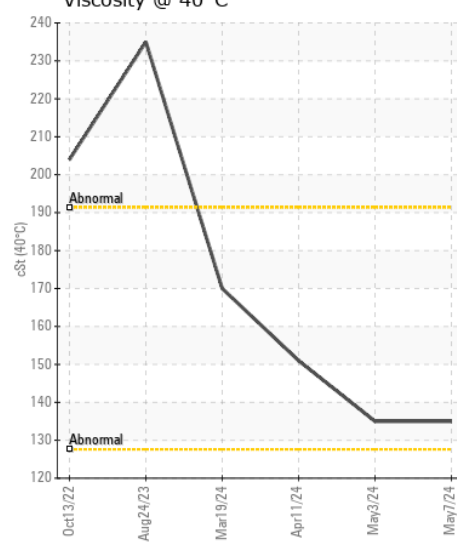
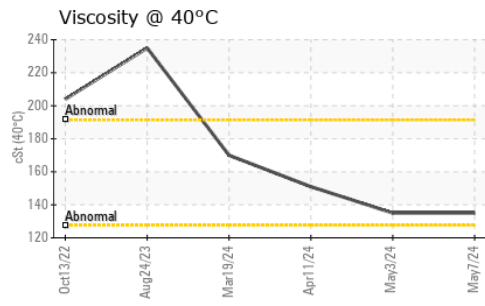
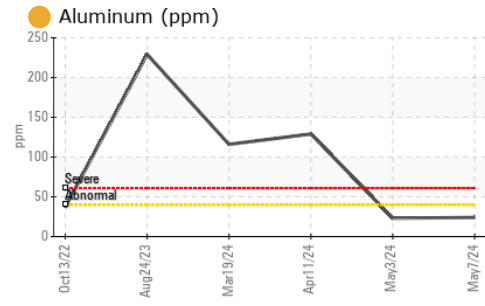
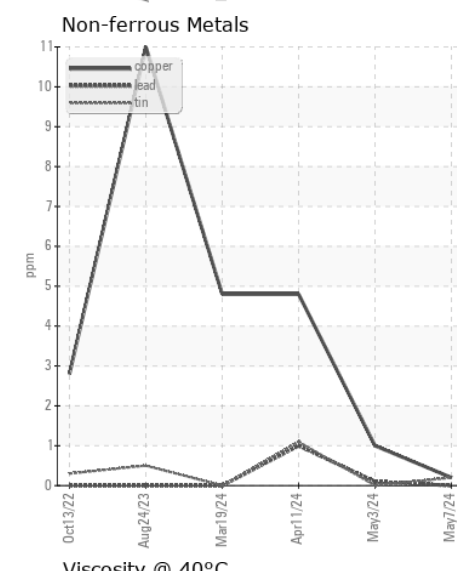
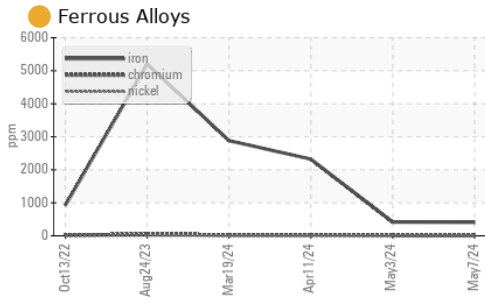
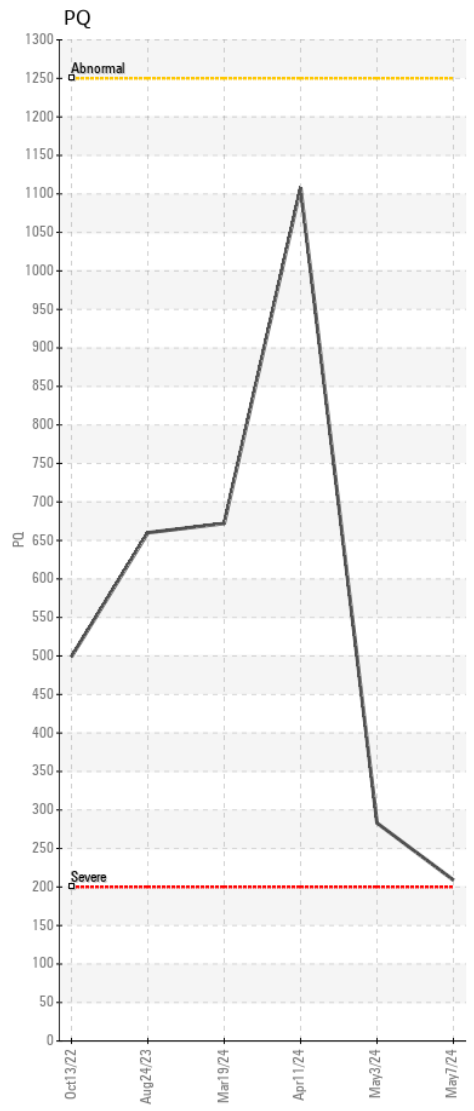
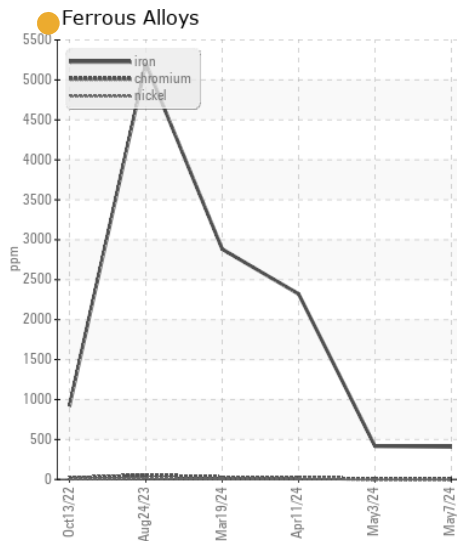
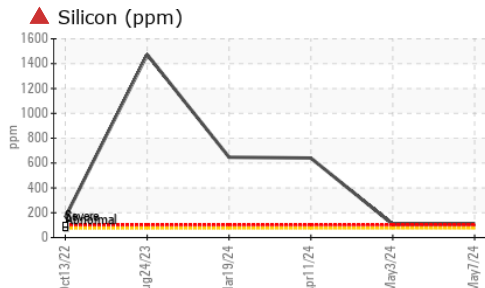
CONTAMINATION

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		JR0213404	JR0213344	JR0205127
Sample Date		Client Info		07 May 2024	03 May 2024	11 Apr 2024
Machine Age	hrs	Client Info		2943	2943	2925
Oil Age	hrs	Client Info		0	29	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	ABNORMAL	SEVERE
PQ		ASTM D8184	>1250	209	283	1108
Iron	ppm	ASTM D5185m	>750	408	416	2321
Chromium	ppm	ASTM D5185m	>9	3	3	21
Nickel	ppm	ASTM D5185m	>10	0	<1	6
Titanium	ppm	ASTM D5185m		2	3	15
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	24	23	129
Lead	ppm	ASTM D5185m	>15	0	<1	1
Copper	ppm	ASTM D5185m	>40	<1	1	5
Tin	ppm	ASTM D5185m	>10	<1	0	1
Vanadium	ppm	ASTM D5185m		0	0	2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	110	107	640
Potassium	ppm	ASTM D5185m	>20	1	4	17
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	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	2	0	11
Boron	ppm	ASTM D5185m		20	25	34
Barium	ppm	ASTM D5185m		<1	0	2
Molybdenum	ppm	ASTM D5185m		<1	1	5
Manganese	ppm	ASTM D5185m		4	4	20
Magnesium	ppm	ASTM D5185m		13	16	17
Calcium	ppm	ASTM D5185m		360	367	100
Phosphorus	ppm	ASTM D5185m		639	688	686
Zinc	ppm	ASTM D5185m		152	153	48
Sulfur	ppm	ASTM D5185m		20643	21819	22955
Visc @ 40°C	cSt	ASTM D445		135	135	151



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0213404 **Received** : 09 May 2024
Lab Number : 06174190 **Tested** : 10 May 2024
Unique Number : 11020243 **Diagnosed** : 10 May 2024 - Doug Bogart
Test Package : CONST (Additional Tests: PQ)

JRE - GREENSBORO
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 US 27409
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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)