



WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
SEVERE
NORMAL

Machine Id
HITACHI 210-6 1ffdc571jmf341002
Component
Left 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.

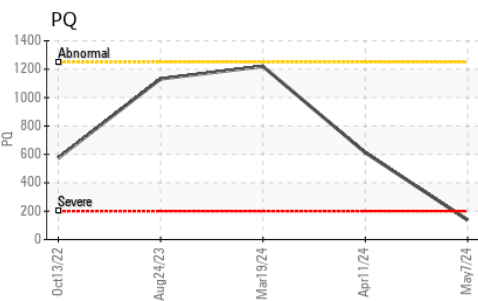
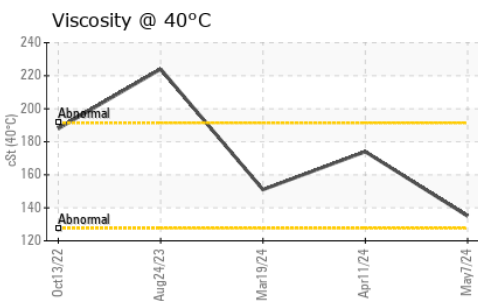
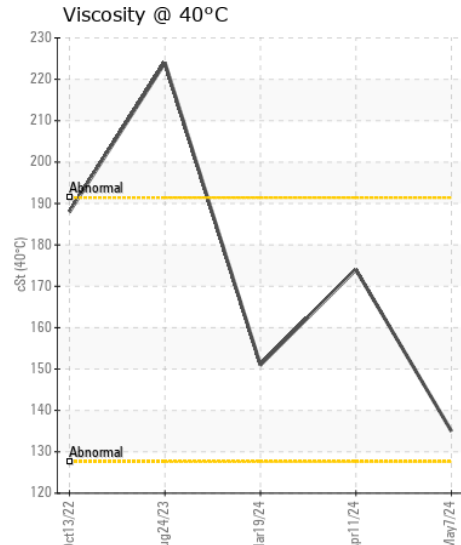
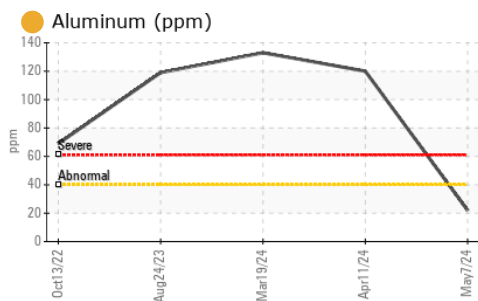
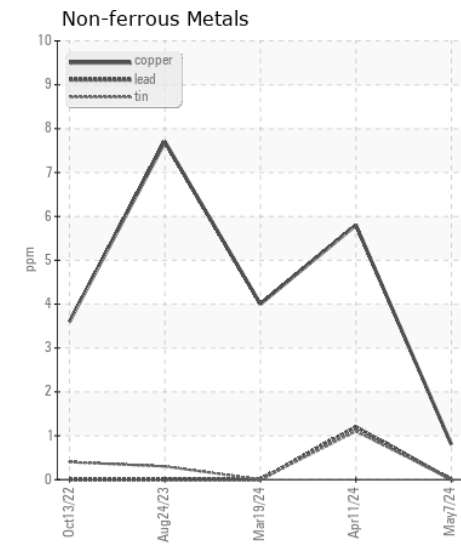
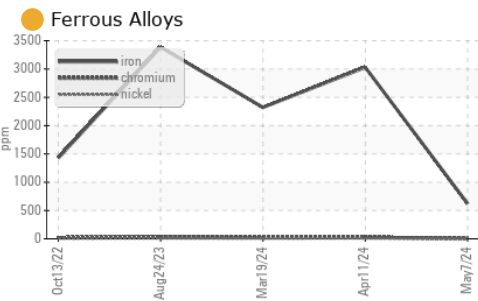
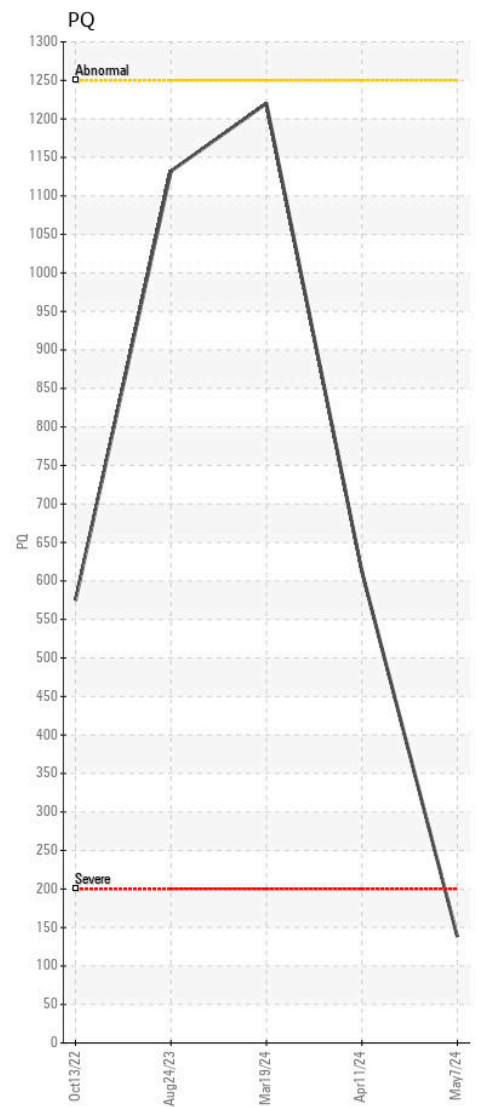
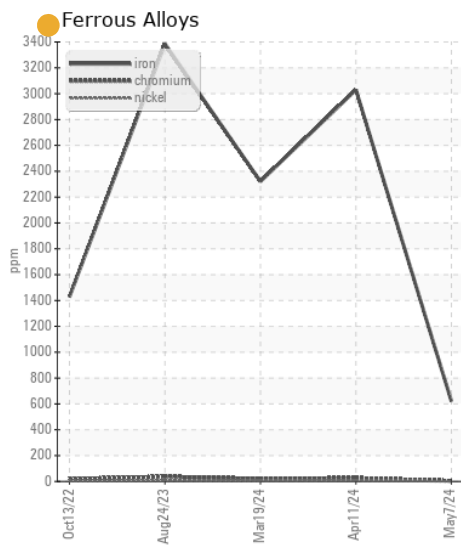
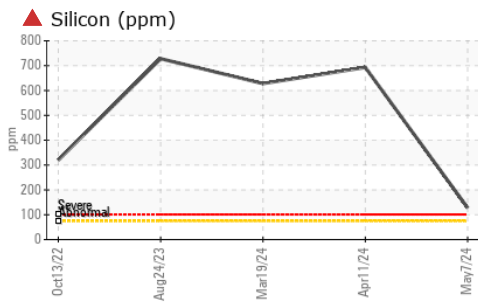
CONTAMINATION

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		JR0213405	JR0205128	JR0204981
Sample Date		Client Info		07 May 2024	11 Apr 2024	19 Mar 2024
Machine Age	hrs	Client Info		2943	2925	2924
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	SEVERE	SEVERE
PQ		ASTM D8184	>1250	138	612	1220
Iron	ppm	ASTM D5185m	>750	621	3030	2321
Chromium	ppm	ASTM D5185m	>9	5	27	21
Nickel	ppm	ASTM D5185m	>10	0	7	4
Titanium	ppm	ASTM D5185m		2	12	15
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	22	120	133
Lead	ppm	ASTM D5185m	>15	0	1	0
Copper	ppm	ASTM D5185m	>40	<1	6	4
Tin	ppm	ASTM D5185m	>10	0	1	0
Vanadium	ppm	ASTM D5185m		0	2	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	128	693	628
Potassium	ppm	ASTM D5185m	>20	3	27	13
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	3	15	10
Boron	ppm	ASTM D5185m		23	44	33
Barium	ppm	ASTM D5185m		<1	3	2
Molybdenum	ppm	ASTM D5185m		<1	10	<1
Manganese	ppm	ASTM D5185m		5	26	20
Magnesium	ppm	ASTM D5185m		16	45	17
Calcium	ppm	ASTM D5185m		419	51	23
Phosphorus	ppm	ASTM D5185m		685	700	589
Zinc	ppm	ASTM D5185m		164	48	14
Sulfur	ppm	ASTM D5185m		20746	23030	21805
Visc @ 40°C	cSt	ASTM D445		135	174	151



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0213405 **Received** : 09 May 2024
Lab Number : 06174189 **Tested** : 10 May 2024
Unique Number : 11020242 **Diagnosed** : 10 May 2024 - Doug Bogart
Test Package : CONST (Additional Tests: PQ)

JRE - GREENSBORO
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 US 27409
 Contact: CHRIS FRAZIER
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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)