



WEAR	SEVERE
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 350G 1FF350GXEHF812254
 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 advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

WEAR

Gear wear is indicated.

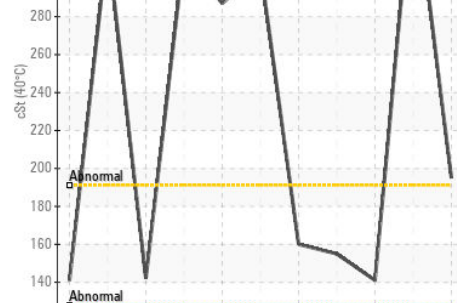
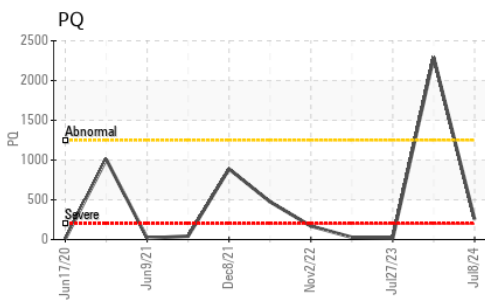
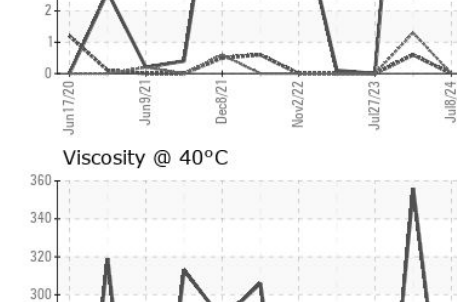
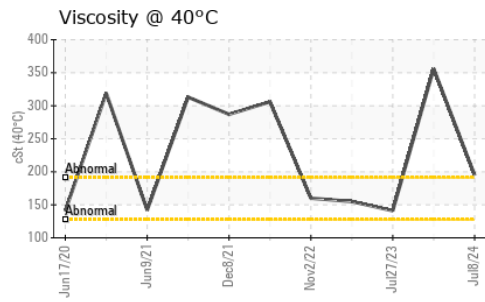
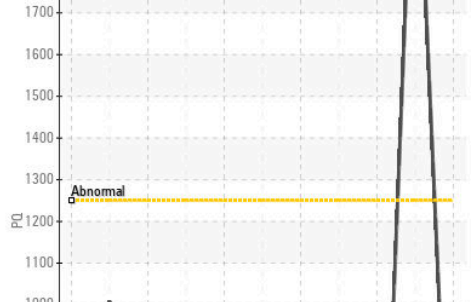
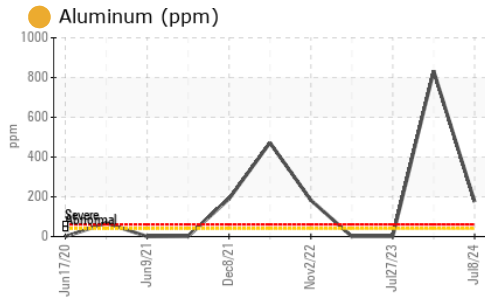
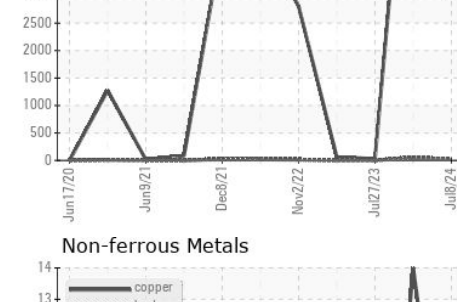
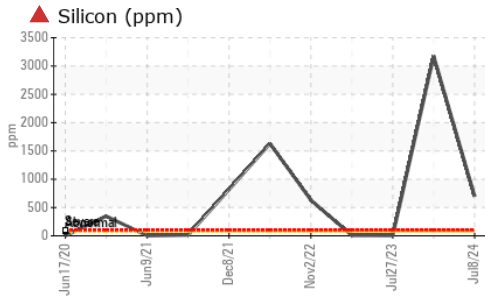
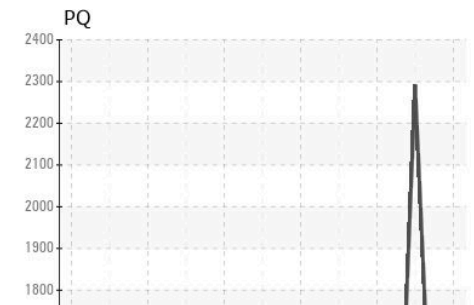
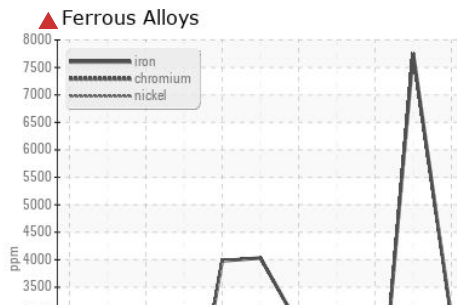
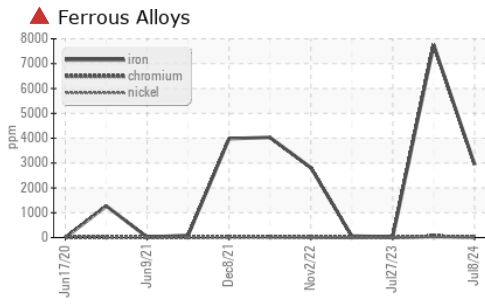
CONTAMINATION

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		JR0220386	JR0204160	JR0177929
Sample Date		Client Info		08 Jul 2024	25 Mar 2024	27 Jul 2023
Machine Age	hrs	Client Info		6462	6049	5470
Oil Age	hrs	Client Info		413	5059	4996
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	SEVERE	NORMAL
PQ		ASTM D8184	>1250	256	2291	17
Iron	ppm	ASTM D5185m	>750	▲ 2937	▲ 7756	30
Chromium	ppm	ASTM D5185m	>9	▲ 20	▲ 57	<1
Nickel	ppm	ASTM D5185m	>10	3	12	0
Titanium	ppm	ASTM D5185m		19	93	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	● 176	● 833	<1
Lead	ppm	ASTM D5185m	>15	0	<1	0
Copper	ppm	ASTM D5185m	>40	5	14	0
Tin	ppm	ASTM D5185m	>10	0	1	0
Vanadium	ppm	ASTM D5185m		0	3	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	▲ 702	▲ 3173	3
Potassium	ppm	ASTM D5185m	>20	25	103	0
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	20	82	<1
Boron	ppm	ASTM D5185m		9	30	24
Barium	ppm	ASTM D5185m		<1	3	0
Molybdenum	ppm	ASTM D5185m		2	6	4
Manganese	ppm	ASTM D5185m		21	64	<1
Magnesium	ppm	ASTM D5185m		23	97	11
Calcium	ppm	ASTM D5185m		40	162	16
Phosphorus	ppm	ASTM D5185m		343	243	506
Zinc	ppm	ASTM D5185m		2	6	18
Sulfur	ppm	ASTM D5185m		19553	20795	24566
Visc @ 40°C	cSt	ASTM D445		195	● 356	141



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0220386
Lab Number : 06232536
Unique Number : 11116029
Test Package : CONST (Additional Tests: PQ)

Received : 10 Jul 2024
Tested : 11 Jul 2024
Diagnosed : 12 Jul 2024 - Don Baldridge

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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)