



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area

[44162]

Machine Id

JOHN DEERE 350G 1FF350GXHMF815258

Component

Right 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 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

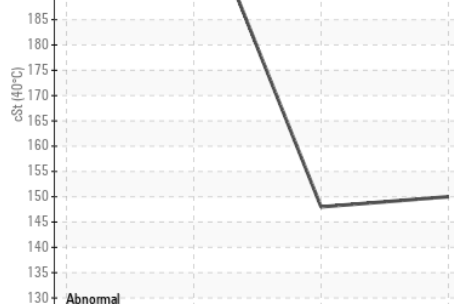
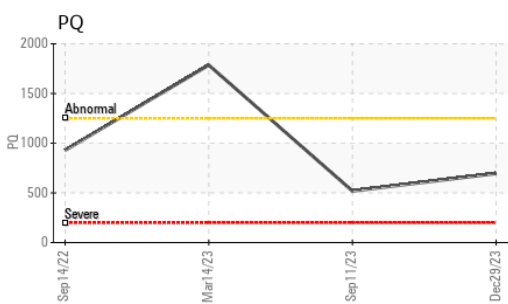
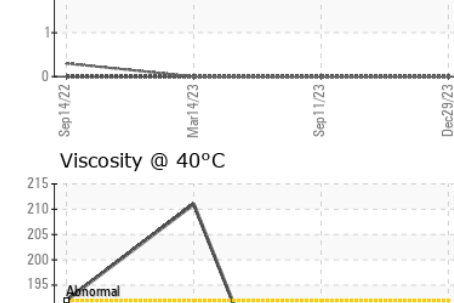
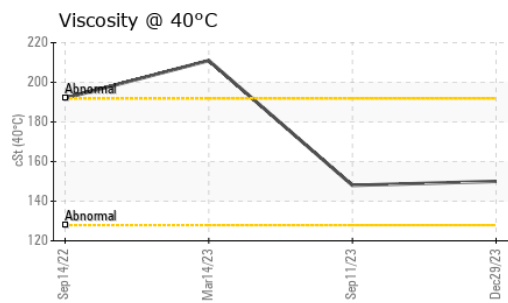
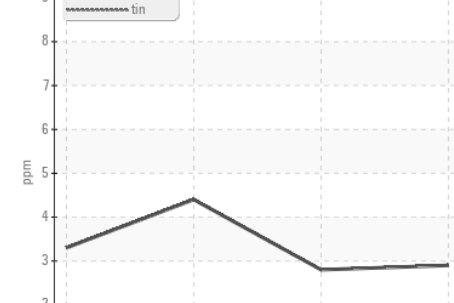
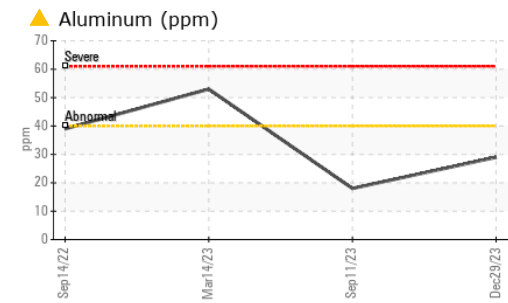
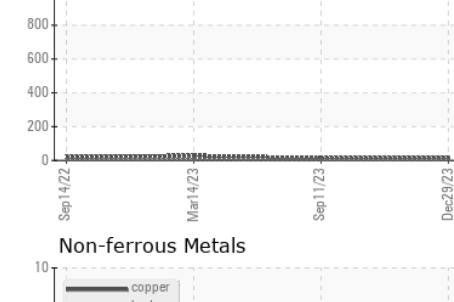
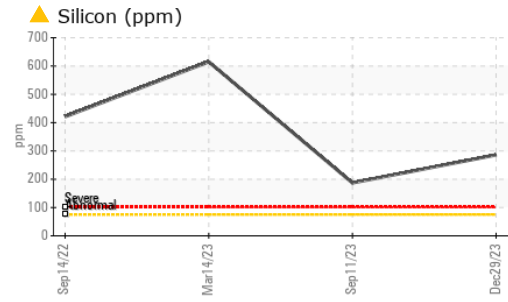
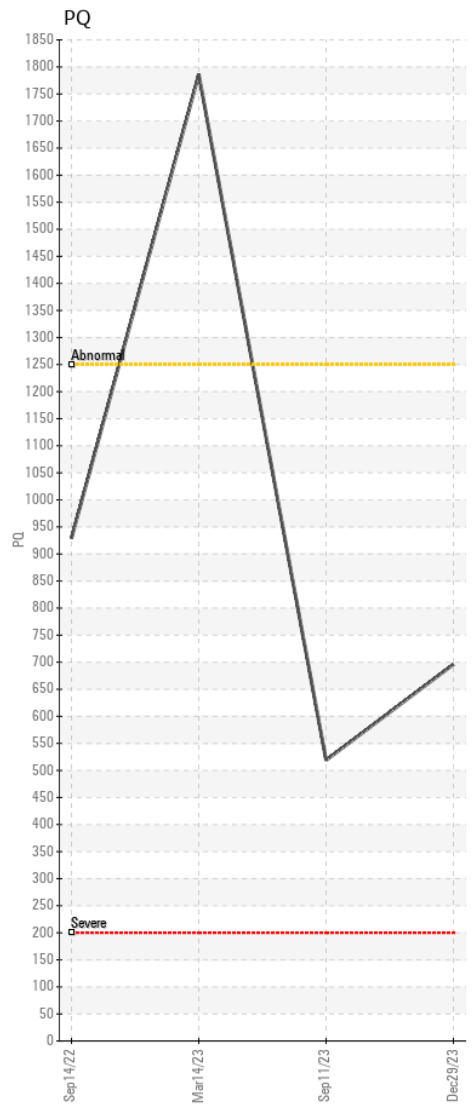
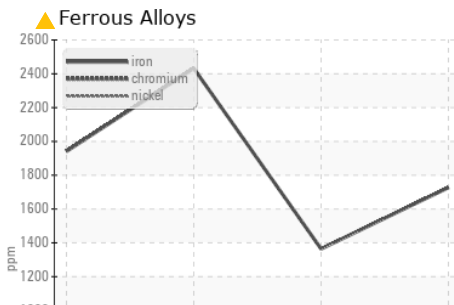
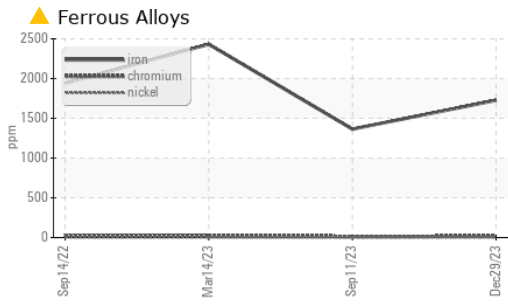
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0199045	JR0183986	JR0162925
Sample Date		Client Info		29 Dec 2023	11 Sep 2023	14 Mar 2023
Machine Age	hrs	Client Info		2941	2438	1966
Oil Age	hrs	Client Info		2469	472	1966
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changd	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	SEVERE

PQ		ASTM D8184	>1250	696	519	▲ 1786
Iron	ppm	ASTM D5185m	>750	▲ 1727	▲ 1364	▲ 2432
Chromium	ppm	ASTM D5185m	>9	▲ 16	▲ 13	▲ 28
Nickel	ppm	ASTM D5185m	>10	2	1	3
Titanium	ppm	ASTM D5185m		8	5	▲ 15
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	▲ 29	▲ 18	▲ 53
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>40	3	3	4
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	MODER	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>75	▲ 286	▲ 187	● 615
Potassium	ppm	ASTM D5185m	>20	6	4	11
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	VLITE
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	1	2	2
Boron	ppm	ASTM D5185m		83	96	52
Barium	ppm	ASTM D5185m		0	<1	2
Molybdenum	ppm	ASTM D5185m		0	0	1
Manganese	ppm	ASTM D5185m		15	13	26
Magnesium	ppm	ASTM D5185m		2	4	3
Calcium	ppm	ASTM D5185m		15	25	35
Phosphorus	ppm	ASTM D5185m		757	745	466
Zinc	ppm	ASTM D5185m		6	32	24
Sulfur	ppm	ASTM D5185m		18074	20654	25205
Visc @ 40°C	cSt	ASTM D445		150	148	211



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0199045 **Received** : 09 Jan 2024
Lab Number : 06056055 **Diagnosed** : 10 Jan 2024
Unique Number : 10822004 **Diagnostician** : 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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 F: (703)631-4715

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)