



Machine Id
JOHN DEERE 250G 1FF250G XKJF610621

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.

WEAR

Gear wear is indicated.

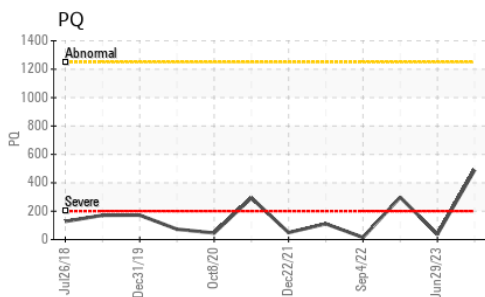
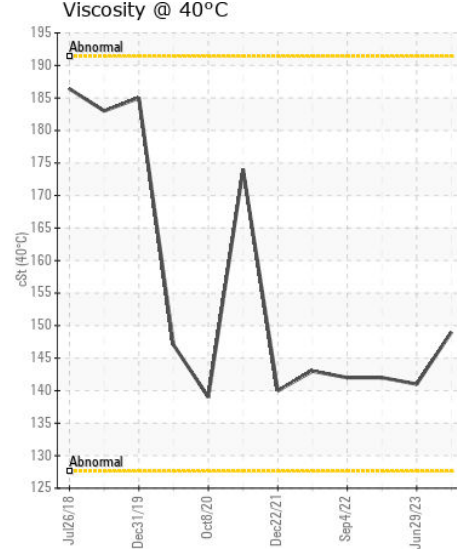
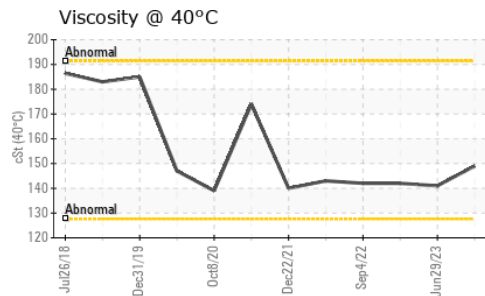
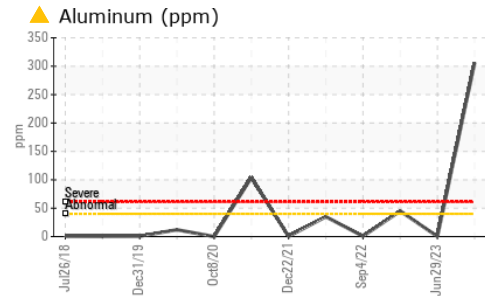
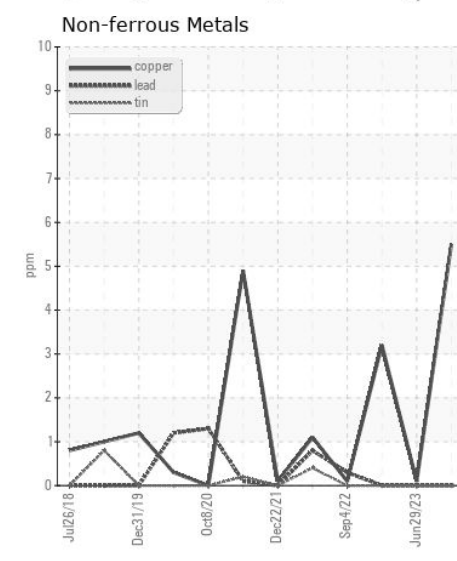
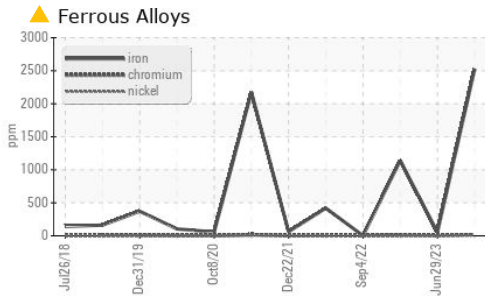
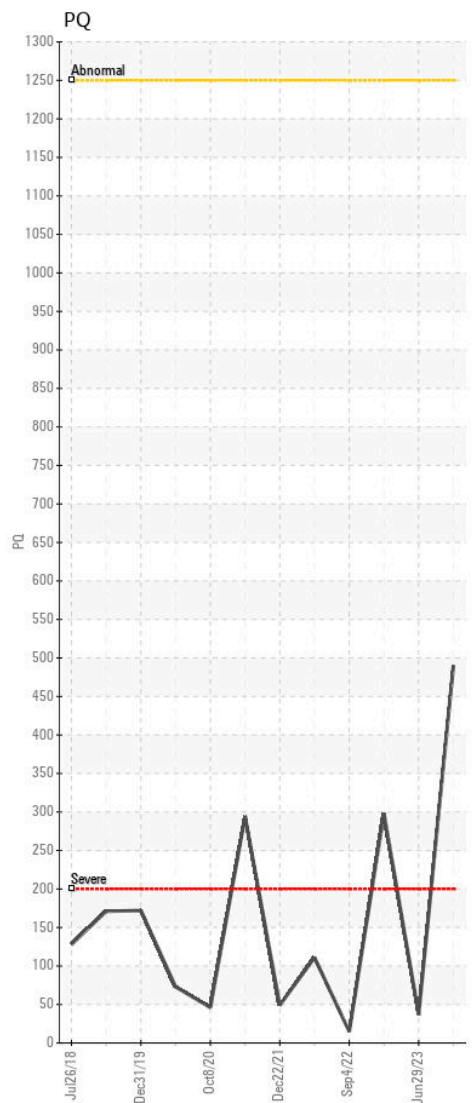
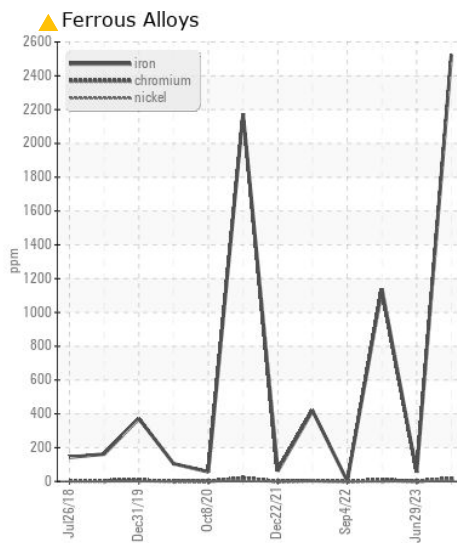
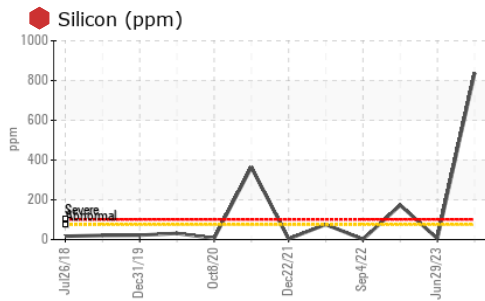
CONTAMINATION

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		JR0203522	JR0171222	JR0150980
Sample Date		Client Info		13 Feb 2024	29 Jun 2023	08 Dec 2022
Machine Age	hrs	Client Info		7095	6507	5974
Oil Age	hrs	Client Info		6562	533	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	NORMAL	ABNORMAL
PQ		ASTM D8184	>1250	490	37	298
Iron	ppm	ASTM D5185m	>750	▲ 2524	55	▲ 1139
Chromium	ppm	ASTM D5185m	>9	▲ 18	<1	▲ 9
Nickel	ppm	ASTM D5185m	>10	4	<1	0
Titanium	ppm	ASTM D5185m		15	0	3
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	▲ 306	<1	▲ 45
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>40	6	<1	3
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	◆ 837	5	▲ 173
Potassium	ppm	ASTM D5185m	>20	57	<1	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	8	0	3
Boron	ppm	ASTM D5185m		139	160	8
Barium	ppm	ASTM D5185m		13	0	0
Molybdenum	ppm	ASTM D5185m		2	0	<1
Manganese	ppm	ASTM D5185m		18	<1	8
Magnesium	ppm	ASTM D5185m		16	0	3
Calcium	ppm	ASTM D5185m		26	22	15
Phosphorus	ppm	ASTM D5185m		1015	836	307
Zinc	ppm	ASTM D5185m		0	6	10
Sulfur	ppm	ASTM D5185m		24509	19193	19509
Visc @ 40°C	cSt	ASTM D445		149	141	142



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0203522 **Received** : 14 Feb 2024
Lab Number : 06089103 **Tested** : 15 Feb 2024
Unique Number : 10876548 **Diagnosed** : 15 Feb 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - CHARLOTTE
 9550 STATESVILLE ROAD
 CHARLOTTE, NC
 US 28269
 Contact: CHARLOTTE SHOP
 myoung@jamesriverequipment.com
 T: (704)597-0211
 F: (704)596-6198

Certificate L2367
 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)