



Machine Id
JOHN DEERE 350G 1FF350GXJKF814262
 Component
Right Final Drive
 Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0222608	JR0197316	JR0163687
Sample Date		Client Info		24 Jun 2024	09 Jan 2024	03 Mar 2023
Machine Age	hrs	Client Info		3177	2889	1071
Oil Age	hrs	Client Info		1359	1818	1071
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				ABNORMAL	SEVERE	SEVERE

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		218	445	499
Iron	ppm	ASTM D5185m	>500	906	2938	▲ 3426
Chromium	ppm	ASTM D5185m	>10	13	19	▲ 31
Nickel	ppm	ASTM D5185m	>10	2	4	6
Titanium	ppm	ASTM D5185m		2	6	13
Silver	ppm	ASTM D5185m		0	0	1
Aluminum	ppm	ASTM D5185m	>25	● 21	● 138	● 198
Lead	ppm	ASTM D5185m	>25	<1	0	<1
Copper	ppm	ASTM D5185m	>50	4	5	6
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	1
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

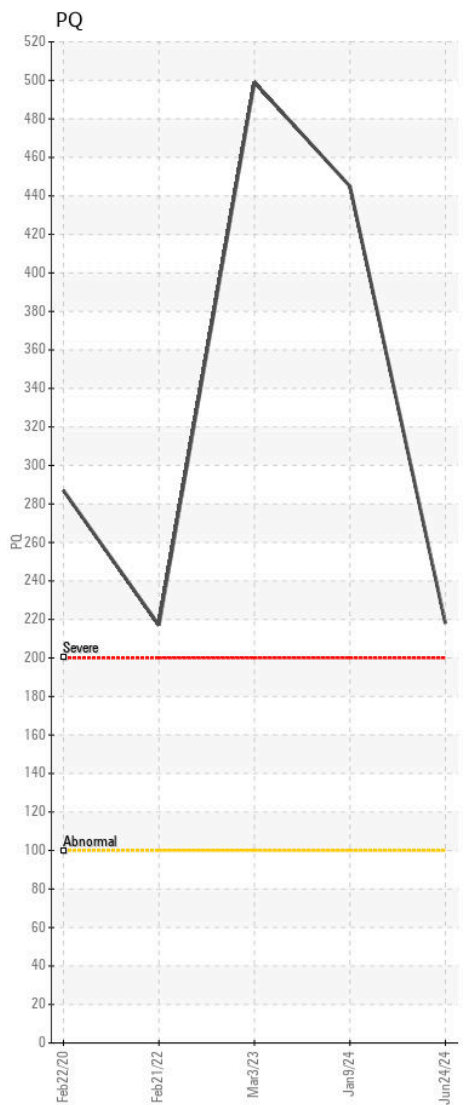
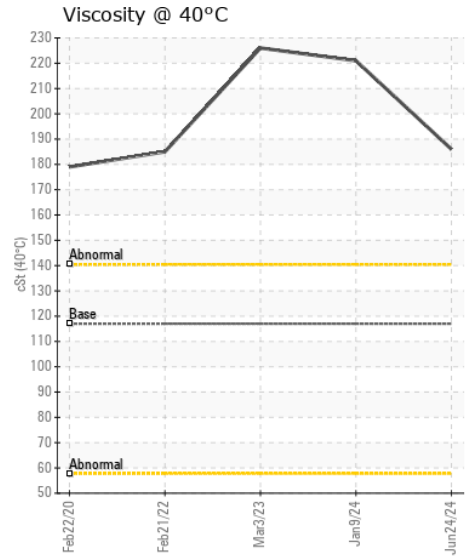
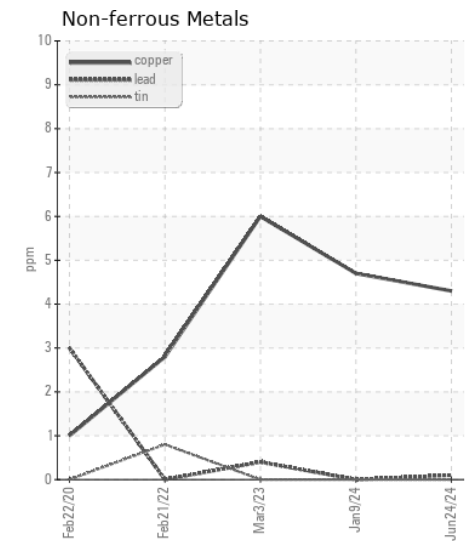
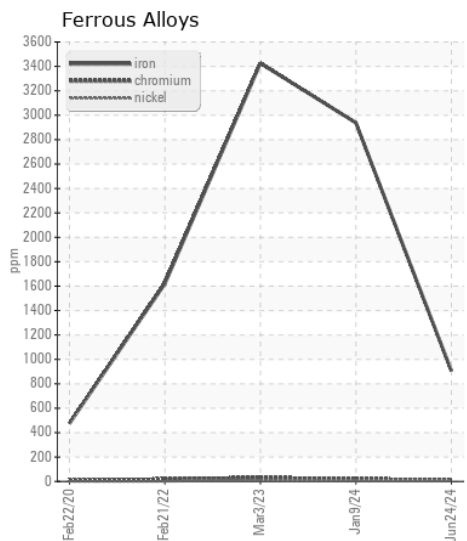
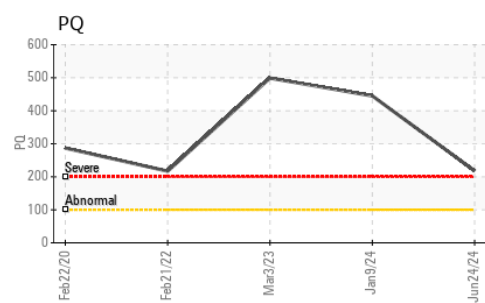
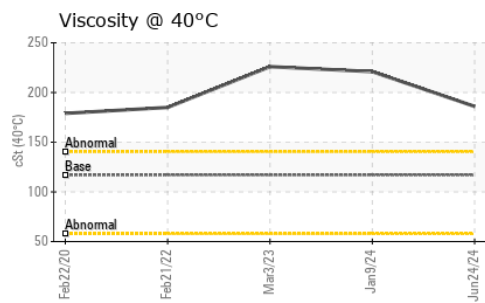
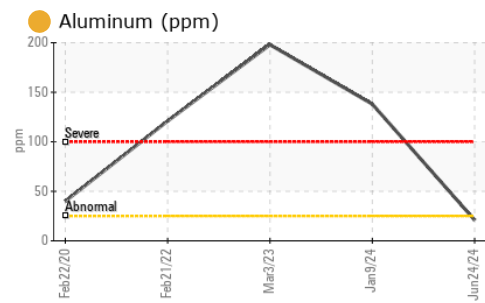
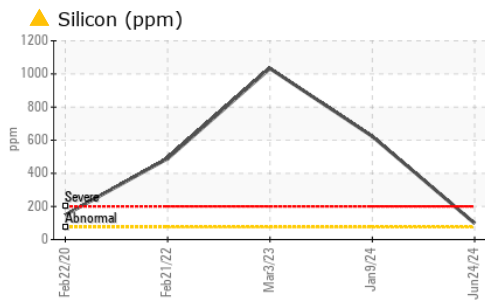
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	▲ 98	▲ 623	▲ 1033
Potassium	ppm	ASTM D5185m	>20	6	44	39
Water		WC Method	>0.2	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	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		3	11	18
Boron	ppm	ASTM D5185m		59	37	81
Barium	ppm	ASTM D5185m		0	2	2
Molybdenum	ppm	ASTM D5185m		<1	8	2
Manganese	ppm	ASTM D5185m		14	19	36
Magnesium	ppm	ASTM D5185m		3	30	23
Calcium	ppm	ASTM D5185m		1	49	122
Phosphorus	ppm	ASTM D5185m		616	1129	498
Zinc	ppm	ASTM D5185m		42	32	56
Sulfur	ppm	ASTM D5185m		15296	17110	24077
Visc @ 40°C	cSt	ASTM D445	117	186	221	226



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0222608 **Received** : 25 Jun 2024
Lab Number : 06220058 **Tested** : 26 Jun 2024
Unique Number : 11098255 **Diagnosed** : 27 Jun 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

JRE - GARNER
 4161 AUBURN CHURCH RD
 GARNER, NC
 US 27529
 Contact: RALEIGH SHOP

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)