



Machine Id
JOHN DEERE 350G 1FF350GXJKF814262
 Component
Left 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		JR0222609	JR0197315	JR0163688
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	ABNORMAL	SEVERE

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		210	230	478
Iron	ppm	ASTM D5185m	>500	888	1426	▲ 2788
Chromium	ppm	ASTM D5185m	>10	13	9	▲ 28
Nickel	ppm	ASTM D5185m	>10	2	1	8
Titanium	ppm	ASTM D5185m		2	2	15
Silver	ppm	ASTM D5185m		0	0	1
Aluminum	ppm	ASTM D5185m	>25	● 21	● 65	● 244
Lead	ppm	ASTM D5185m	>25	<1	0	<1
Copper	ppm	ASTM D5185m	>50	3	2	5
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	1
White Metal	scalar	*Visual	NONE	NONE	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

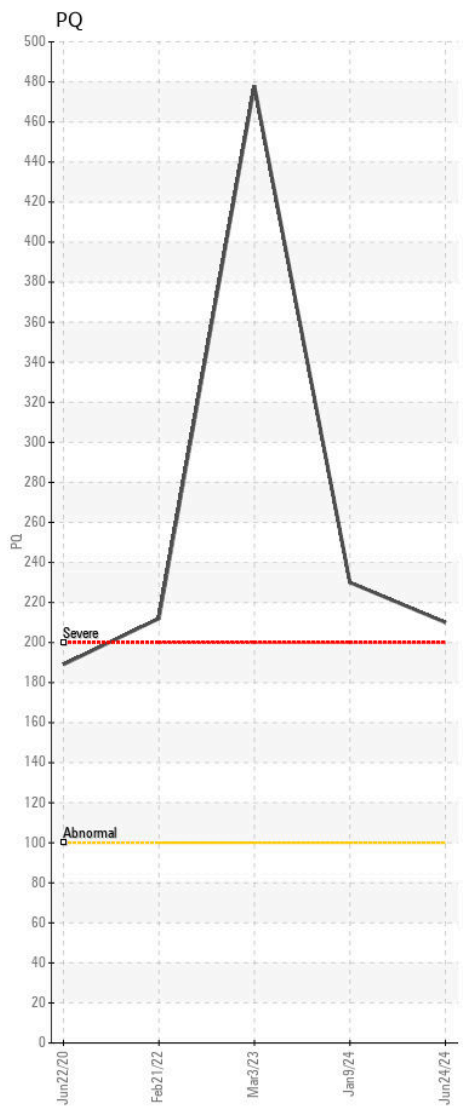
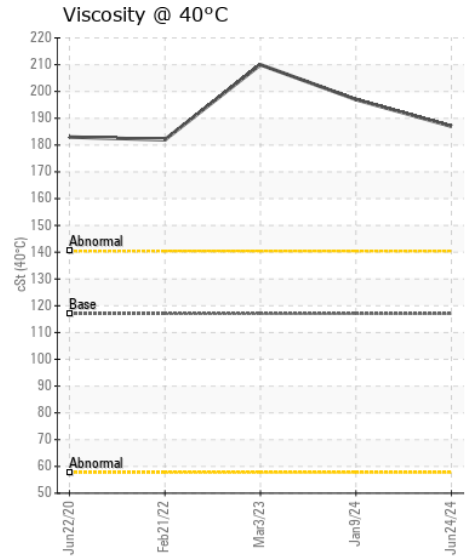
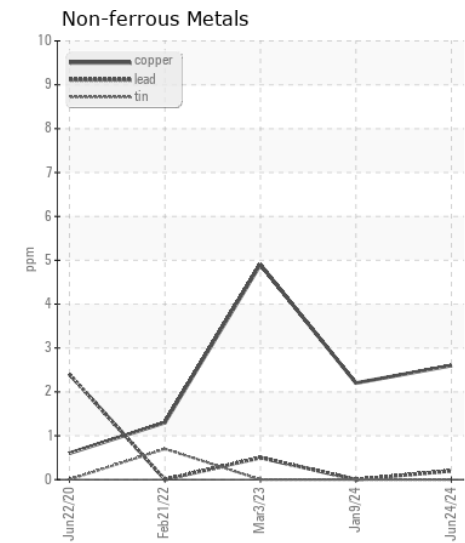
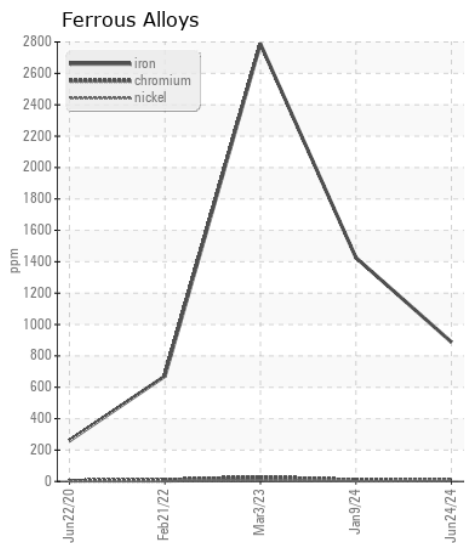
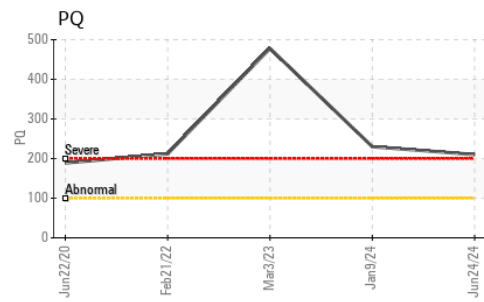
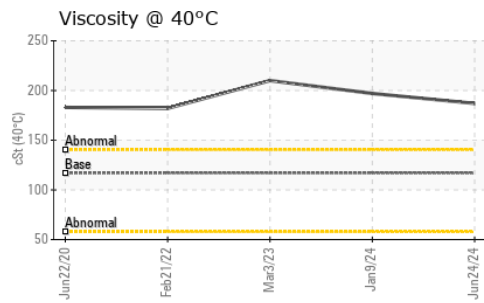
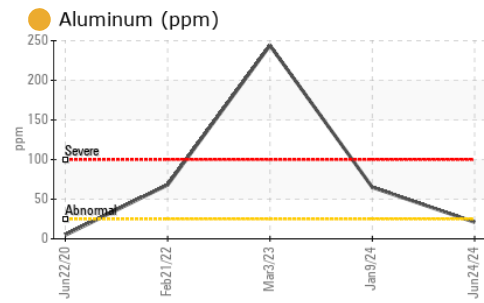
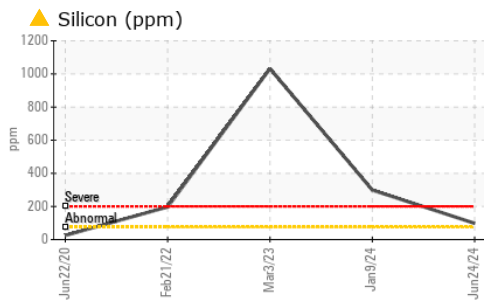
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	▲ 98	▲ 299	▲ 1032
Potassium	ppm	ASTM D5185m	>20	5	21	50
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	LIGHT	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		4	6	26
Boron	ppm	ASTM D5185m		59	54	77
Barium	ppm	ASTM D5185m		0	2	2
Molybdenum	ppm	ASTM D5185m		<1	0	2
Manganese	ppm	ASTM D5185m		14	10	31
Magnesium	ppm	ASTM D5185m		4	4	29
Calcium	ppm	ASTM D5185m		2	12	139
Phosphorus	ppm	ASTM D5185m		620	800	500
Zinc	ppm	ASTM D5185m		41	8	58
Sulfur	ppm	ASTM D5185m		15404	15808	20194
Visc @ 40°C	cSt	ASTM D445	117	187	197	210



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0222609 **Received** : 25 Jun 2024
Lab Number : 06220055 **Tested** : 26 Jun 2024
Unique Number : 11098252 **Diagnosed** : 27 Jun 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

JRE - GARNER
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 US 27529
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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)