



WEAR	ATTENTION
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

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.
 We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0197315	JR0163688	JR0121291
Sample Date		Client Info		09 Jan 2024	03 Mar 2023	21 Feb 2022
Machine Age	hrs	Client Info		2889	1071	1071
Oil Age	hrs	Client Info		1818	1071	465
Filter Age	hrs	Client Info		0	0	465
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	SEVERE	ABNORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		230	478	212
Iron	ppm	ASTM D5185m	>500	1426	2788	671
Chromium	ppm	ASTM D5185m	>10	9	28	10
Nickel	ppm	ASTM D5185m	>10	1	8	<1
Titanium	ppm	ASTM D5185m		2	15	4
Silver	ppm	ASTM D5185m		0	1	0
Aluminum	ppm	ASTM D5185m	>25	65	244	68
Lead	ppm	ASTM D5185m	>25	0	<1	0
Copper	ppm	ASTM D5185m	>50	2	5	1
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	1	<1
White Metal	scalar	*Visual	NONE	MODER	MODER	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

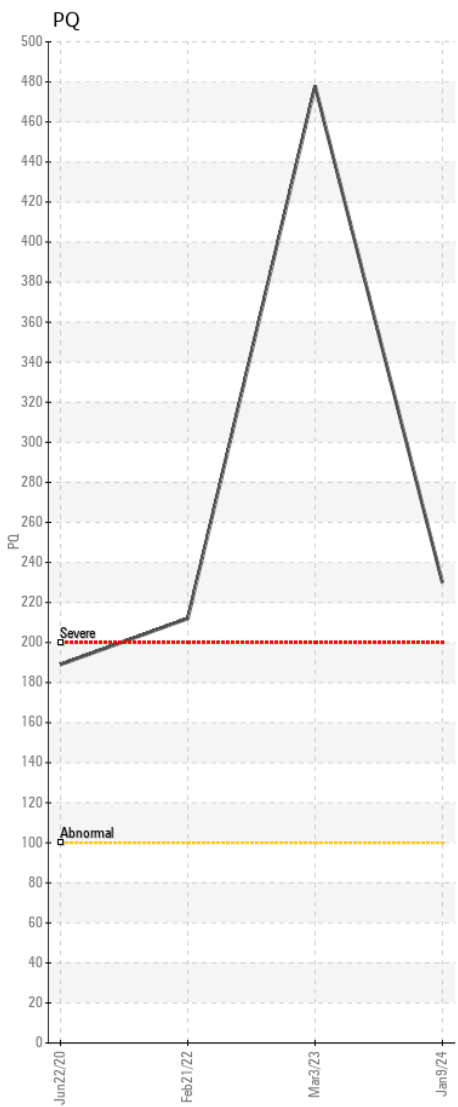
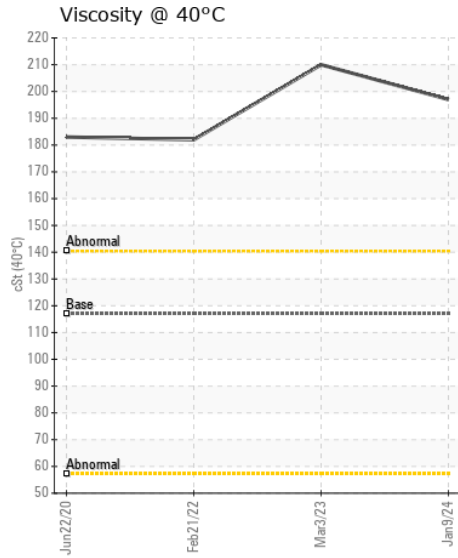
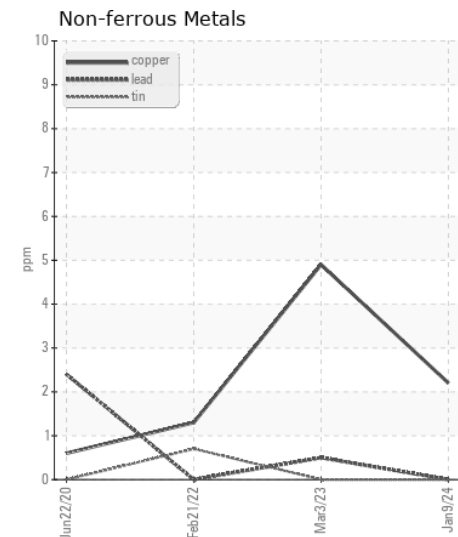
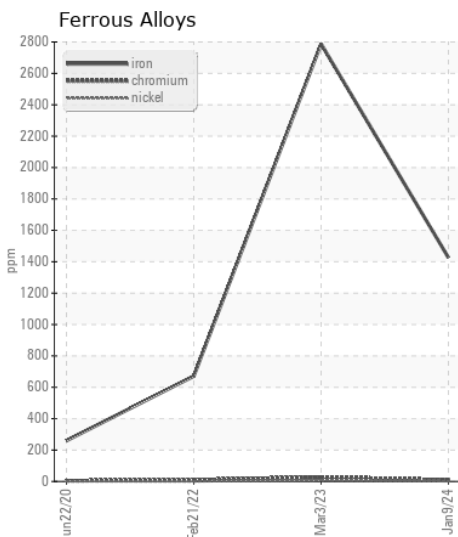
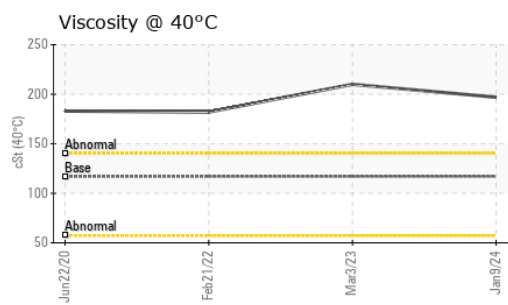
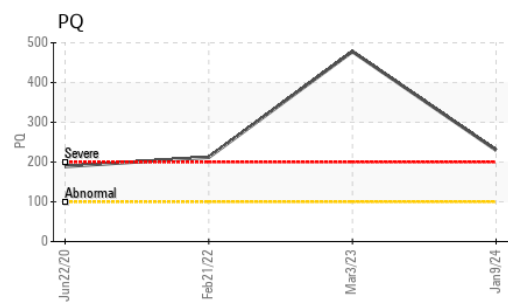
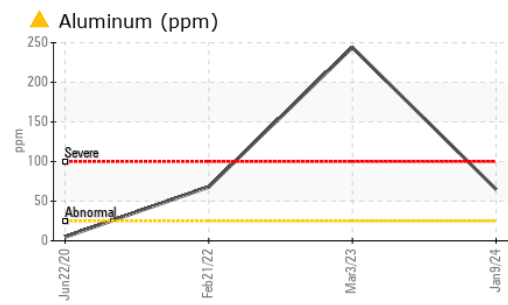
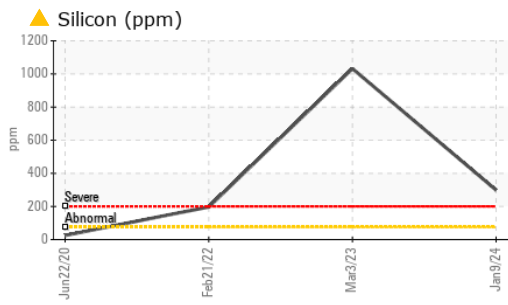
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	299	1032	197
Potassium	ppm	ASTM D5185m	>20	21	50	6
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		6	26	6
Boron	ppm	ASTM D5185m		54	77	84
Barium	ppm	ASTM D5185m		2	2	0
Molybdenum	ppm	ASTM D5185m		0	2	<1
Manganese	ppm	ASTM D5185m		10	31	11
Magnesium	ppm	ASTM D5185m		4	29	6
Calcium	ppm	ASTM D5185m		12	139	28
Phosphorus	ppm	ASTM D5185m		800	500	572
Zinc	ppm	ASTM D5185m		8	58	28
Sulfur	ppm	ASTM D5185m		15808	20194	13008
Visc @ 40°C	cSt	ASTM D445	117	197	210	182



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0197315 **Recieved** : 10 Jan 2024
Lab Number : 06056904 **Diagnosed** : 11 Jan 2024
Unique Number : 10822853 **Diagnostician** : Sean Felton
Test Package : CONST (Additional Tests: PQ)

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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)