



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 350G 1FF350GXCKF814067

Component
Diesel Engine

Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0197581	JR0190787	JR0121969
Sample Date		Client Info		28 Jan 2024	27 Nov 2023	16 Feb 2023
Machine Age	hrs	Client Info		4571	4023	3222
Oil Age	hrs	Client Info		548	4023	0
Filter Age	hrs	Client Info		4571	0	0
Oil Changed		Client Info		Changed	Changed	N/A
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>51	44	▲ 162	▲ 115
Chromium	ppm	ASTM D5185m	>11	<1	2	<1
Nickel	ppm	ASTM D5185m	>5	1	2	1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>31	5	7	4
Lead	ppm	ASTM D5185m	>26	<1	<1	1
Copper	ppm	ASTM D5185m	>26	<1	6	6
Tin	ppm	ASTM D5185m	>4	<1	<1	1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

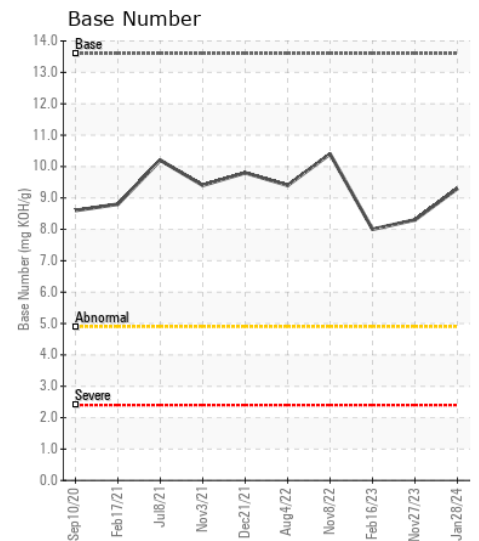
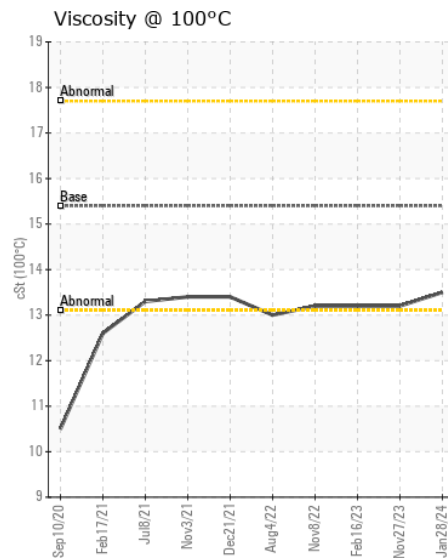
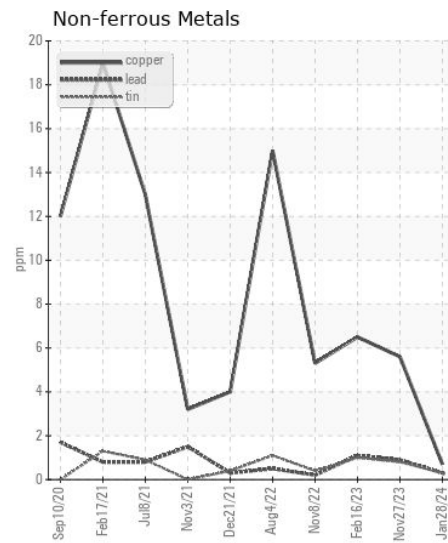
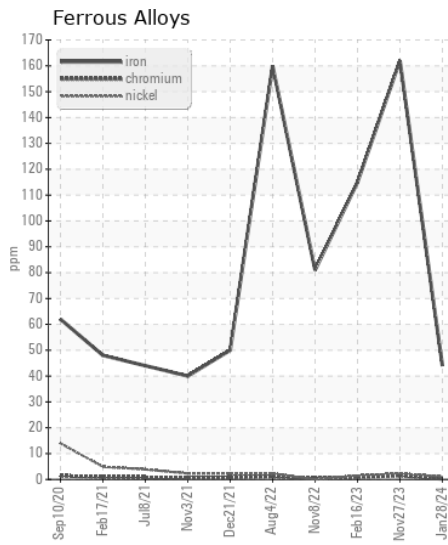
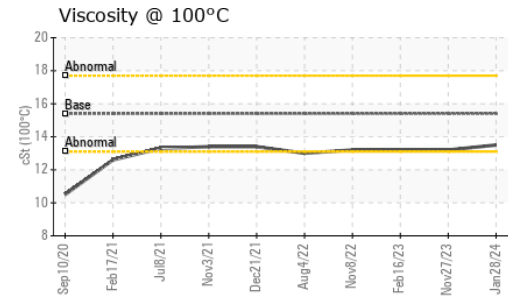
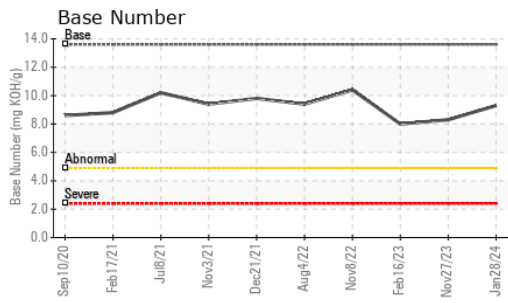
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>22	6	10	10
Potassium	ppm	ASTM D5185m	>20	<1	4	2
Fuel		WC Method	>2.1	<1.0	<1.0	<1.0
Water		WC Method	>0.21	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.3	1	0.6
Nitration	Abs/cm	*ASTM D7624	>20	7.3	9.9	9.4
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.7	25.0	23.0
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	>0.21	NEG	NEG	NEG

FLUID CONDITION

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>31	3	8	4
Boron	ppm	ASTM D5185m		248	58	149
Barium	ppm	ASTM D5185m		<1	0	<1
Molybdenum	ppm	ASTM D5185m		245	238	245
Manganese	ppm	ASTM D5185m		<1	2	1
Magnesium	ppm	ASTM D5185m		821	827	786
Calcium	ppm	ASTM D5185m		1339	1444	1556
Phosphorus	ppm	ASTM D5185m		867	864	842
Zinc	ppm	ASTM D5185m		1061	1104	1086
Sulfur	ppm	ASTM D5185m		2905	2823	3427
Oxidation	Abs/.1mm	*ASTM D7414	>25	15.0	18.9	16.5
Base Number (BN)	mg KOH/g	ASTM D2896	13.6	9.3	8.3	8.0
Visc @ 100°C	cSt	ASTM D445	15.4	13.5	13.2	13.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0197581 **Received** : 30 Jan 2024
Lab Number : 06074343 **Diagnosed** : 31 Jan 2024
Unique Number : 10856434 **Diagnostician** : Sean Felton
Test Package : CONST (Additional Tests: TBN)

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)

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