



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[05W46987]

Machine Id

JOHN DEERE 350G 1FF350GXHMF815258

Component

Pump Drive

Fluid

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (1 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0217909	JR0199044	JR0183974
Sample Date		Client Info		22 May 2024	29 Dec 2023	11 Sep 2023
Machine Age	hrs	Client Info		3457	2941	2438
Oil Age	hrs	Client Info		500	2469	472
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	N/A	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		18	22	20
Iron	ppm	ASTM D5185m	>151	50	65	43
Chromium	ppm	ASTM D5185m	>11	1	1	<1
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		1	0	0
Aluminum	ppm	ASTM D5185m	>21	4	4	1
Lead	ppm	ASTM D5185m	>51	<1	0	0
Copper	ppm	ASTM D5185m	>51	1	0	<1
Tin	ppm	ASTM D5185m	>4	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

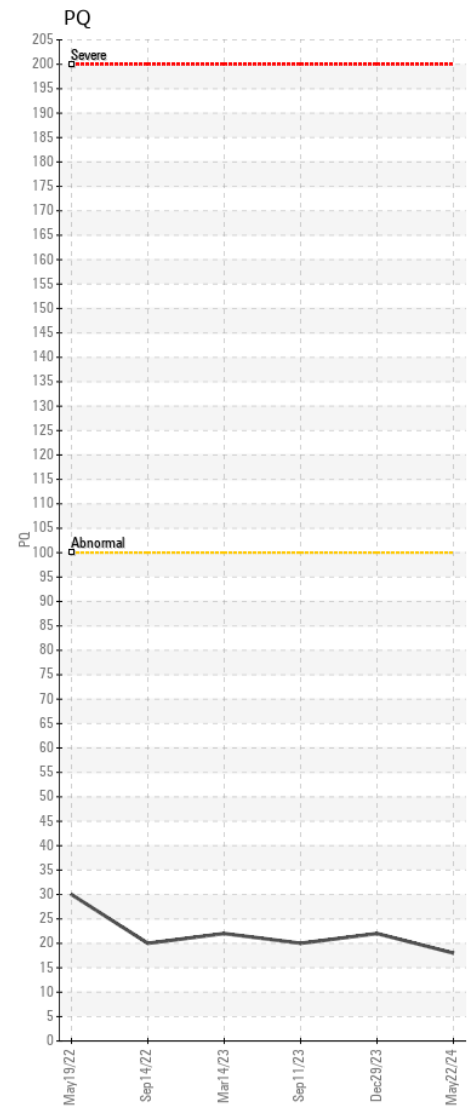
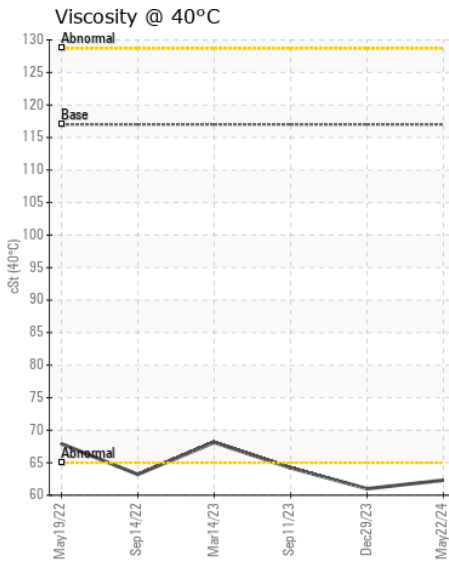
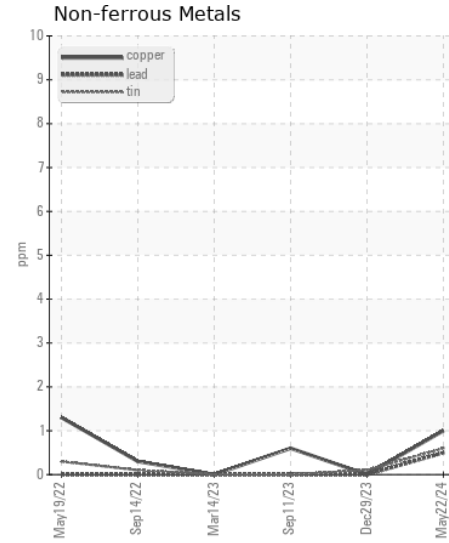
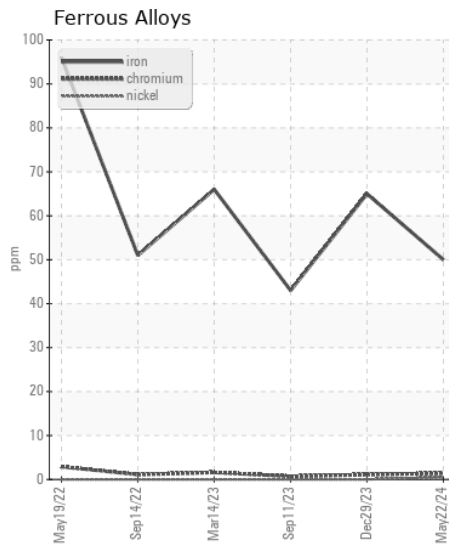
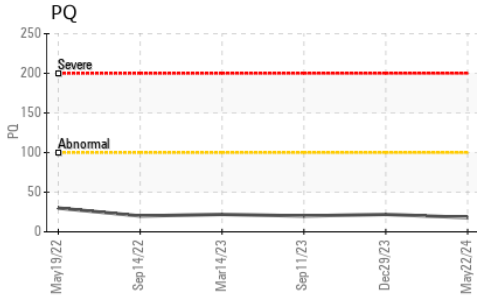
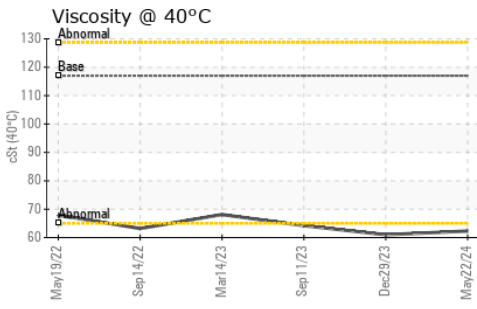
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	16	17	13
Potassium	ppm	ASTM D5185m	>20	3	<1	1
Water		WC Method	>0.1	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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	0	2	4
Boron	ppm	ASTM D5185m		294	256	304
Barium	ppm	ASTM D5185m		2	0	<1
Molybdenum	ppm	ASTM D5185m		228	233	234
Manganese	ppm	ASTM D5185m		2	2	1
Magnesium	ppm	ASTM D5185m		792	769	782
Calcium	ppm	ASTM D5185m		1554	1360	1413
Phosphorus	ppm	ASTM D5185m		1004	999	938
Zinc	ppm	ASTM D5185m		1110	1012	1022
Sulfur	ppm	ASTM D5185m		4198	3200	3772
Visc @ 40°C	cSt	ASTM D445	117	62.3	61.0	64.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0217909 **Received** : 24 May 2024
Lab Number : 06191295 **Tested** : 29 May 2024
Unique Number : 11048047 **Diagnosed** : 29 May 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

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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