



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id
JOHN DEERE 350G 1FF350GXVJF813100
 Component
Pump Drive
 Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0221953	JR0191012	JR0156844
Sample Date		Client Info		07 Jul 2024	04 Dec 2023	29 Mar 2023
Machine Age	hrs	Client Info		7030	6346	5320
Oil Age	hrs	Client Info		684	1026	899
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	None
Sample Status				ATTENTION	ABNORMAL	SEVERE

WEAR

All component wear rates are normal.

PQ		ASTM D8184		95	334	▲ 919
Iron	ppm	ASTM D5185m	>151	180	967	▲ 3256
Chromium	ppm	ASTM D5185m	>11	1	11	▲ 40
Nickel	ppm	ASTM D5185m	>10	0	<1	2
Titanium	ppm	ASTM D5185m		0	1	4
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	3	● 17	● 37
Lead	ppm	ASTM D5185m	>51	0	0	0
Copper	ppm	ASTM D5185m	>51	0	1	6
Tin	ppm	ASTM D5185m	>4	0	0	0
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	▲ HEAVY
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

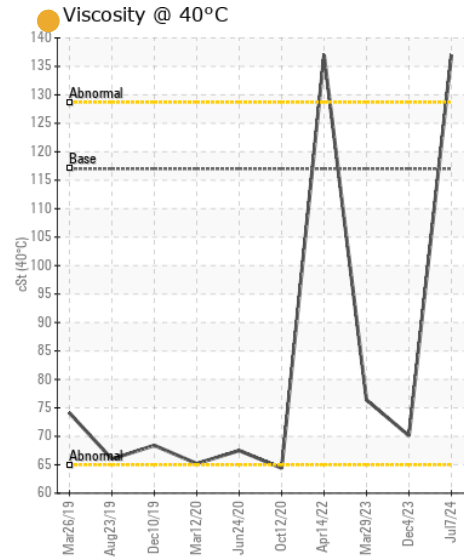
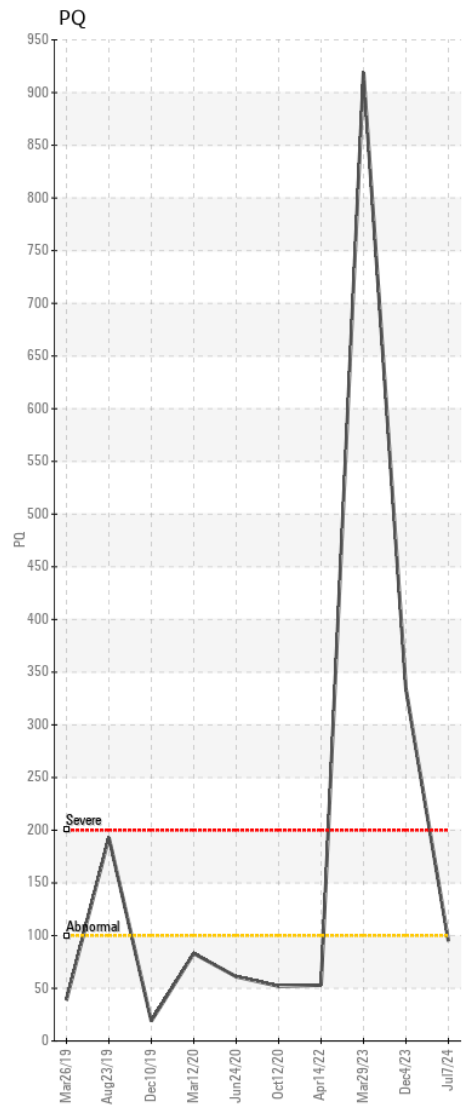
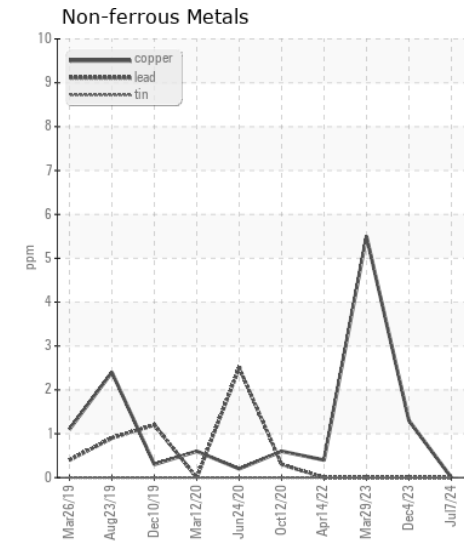
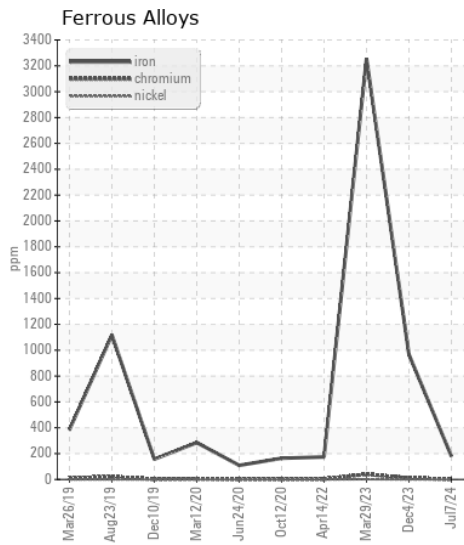
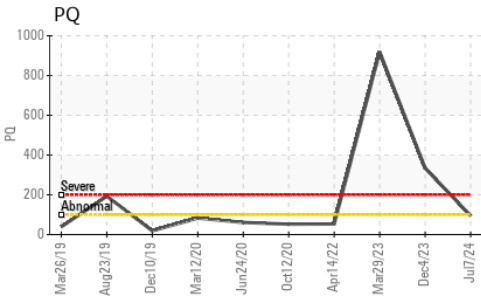
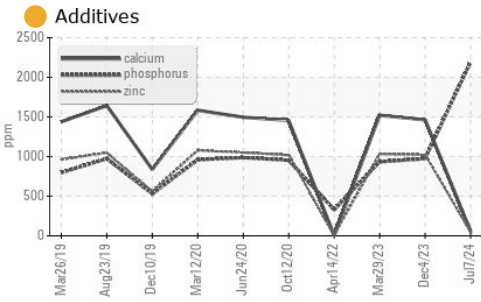
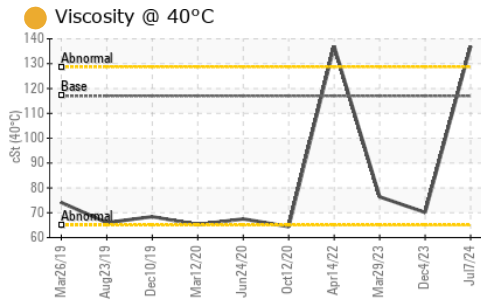
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	10	▲ 50	▲ 92
Potassium	ppm	ASTM D5185m	>20	<1	1	3
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	MODER	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 oil viscosity is higher than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Sodium	ppm	ASTM D5185m	>51	5	4	15
Boron	ppm	ASTM D5185m		● 9	282	259
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		● 9	236	255
Manganese	ppm	ASTM D5185m		<1	7	25
Magnesium	ppm	ASTM D5185m		● 24	830	796
Calcium	ppm	ASTM D5185m		● 58	1463	1521
Phosphorus	ppm	ASTM D5185m		● 2195	974	934
Zinc	ppm	ASTM D5185m		● 49	1021	1033
Sulfur	ppm	ASTM D5185m		● 27118	3144	4010
Visc @ 40°C	cSt	ASTM D445	117	● 137	70.1	76.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0221953
Lab Number : 06232474
Unique Number : 11115967
Test Package : CONST (Additional Tests: PQ)

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