



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 4 - Fairmont [RO# 152355]
Machine Id
JOHN DEERE 350G 1FF350GXAKF814122
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		LEC0050938	LEC0047851	LEC0041050
Sample Date		Client Info		21 Jun 2024	23 Feb 2024	29 Jun 2023
Machine Age	hrs	Client Info		2624	2136	1519
Oil Age	hrs	Client Info		488	1207	590
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		21	19	18
Iron	ppm	ASTM D5185m	>151	50	100	85
Chromium	ppm	ASTM D5185m	>11	<1	3	3
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	3	2	<1
Lead	ppm	ASTM D5185m	>51	0	0	0
Copper	ppm	ASTM D5185m	>51	0	<1	<1
Tin	ppm	ASTM D5185m	>4	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	MODER	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

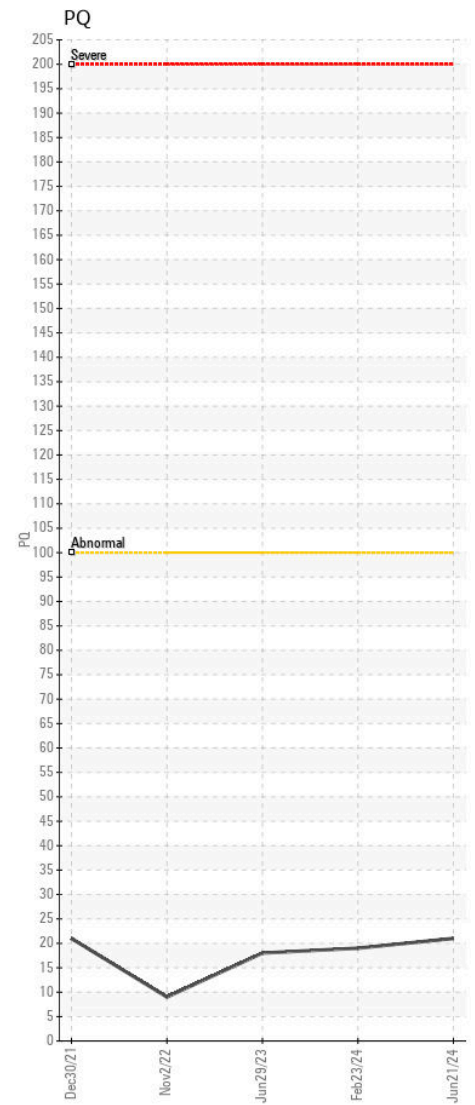
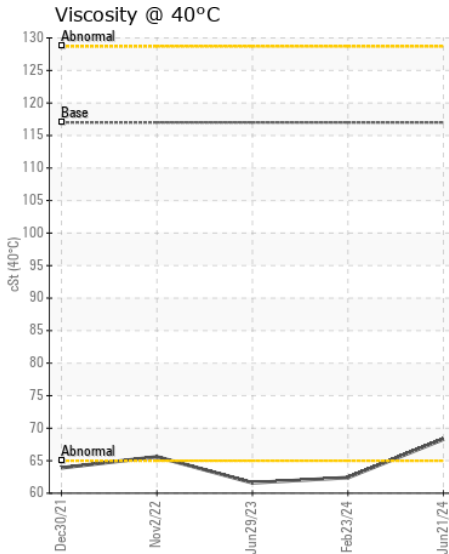
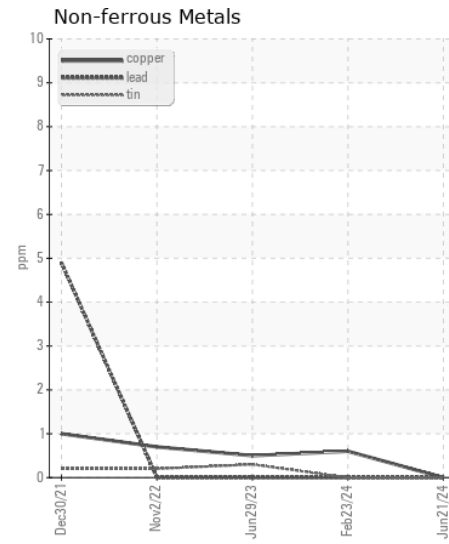
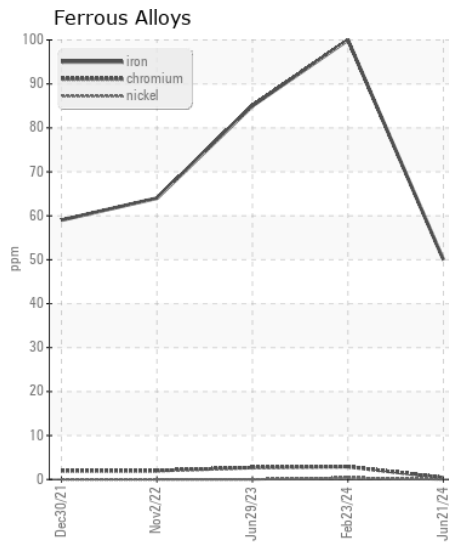
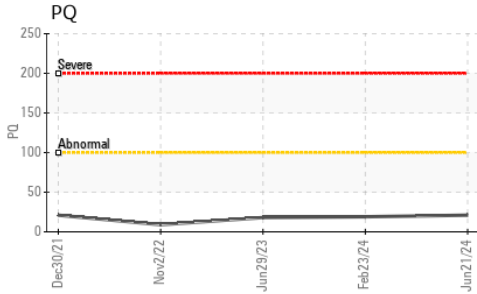
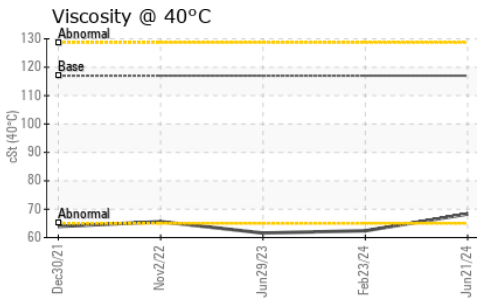
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	18	▲ 57	▲ 52
Potassium	ppm	ASTM D5185m	>20	<1	2	1
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	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	2	3	4
Boron	ppm	ASTM D5185m		266	98	80
Barium	ppm	ASTM D5185m		<1	5	7
Molybdenum	ppm	ASTM D5185m		244	137	112
Manganese	ppm	ASTM D5185m		1	6	6
Magnesium	ppm	ASTM D5185m		790	● 163	79
Calcium	ppm	ASTM D5185m		1761	● 3628	4034
Phosphorus	ppm	ASTM D5185m		995	1112	1211
Zinc	ppm	ASTM D5185m		1124	1322	1378
Sulfur	ppm	ASTM D5185m		4241	● 7688	9089
Visc @ 40°C	cSt	ASTM D445	117	68.3	62.4	61.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0050938 **Received** : 26 Jun 2024
Lab Number : 06221501 **Tested** : 27 Jun 2024
Unique Number : 11099698 **Diagnosed** : 27 Jun 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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