



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 9 - Marietta [RO#152288]
Machine Id
JOHN DEERE 350G 1FF350GXJKF813712
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		LEC0051145	LEC0046221	LEC0022163
Sample Date		Client Info		28 Jun 2024	28 Nov 2023	28 Jun 2021
Machine Age	hrs	Client Info		3622	3134	1152
Oil Age	hrs	Client Info		488	1982	572
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Changed
Filter Changed		Client Info		N/A	None	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		23	24	43
Iron	ppm	ASTM D5185m	>151	29	71	▲ 173
Chromium	ppm	ASTM D5185m	>11	<1	<1	6
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	3	4	<1
Lead	ppm	ASTM D5185m	>51	0	0	<1
Copper	ppm	ASTM D5185m	>51	<1	0	2
Tin	ppm	ASTM D5185m	>4	0	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

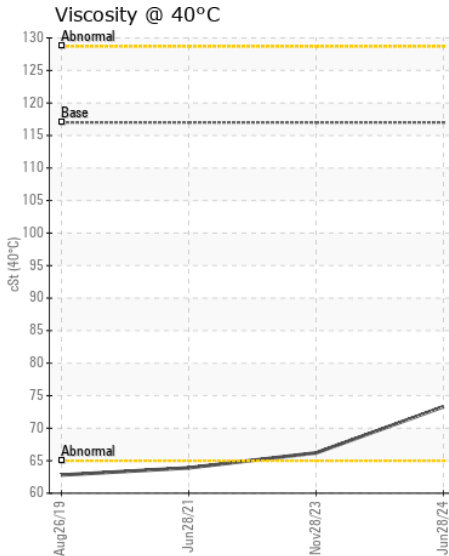
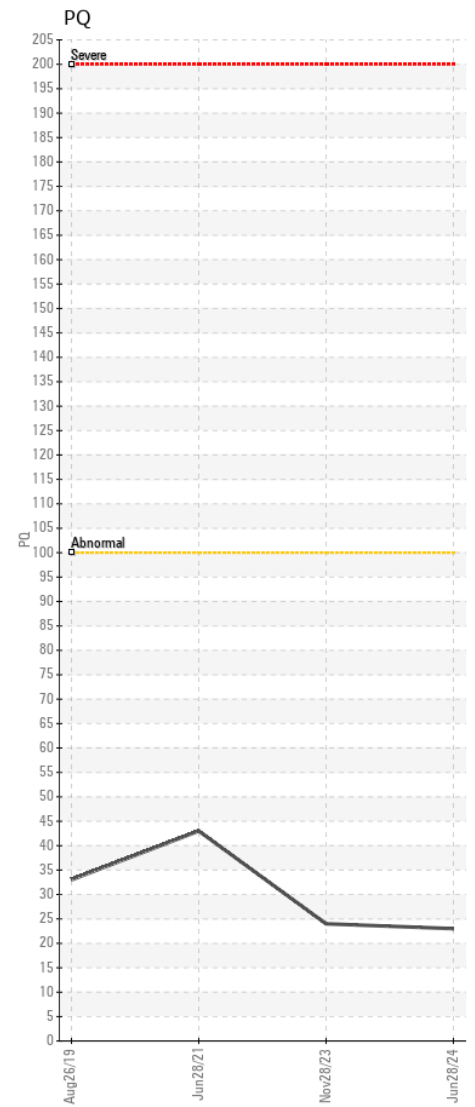
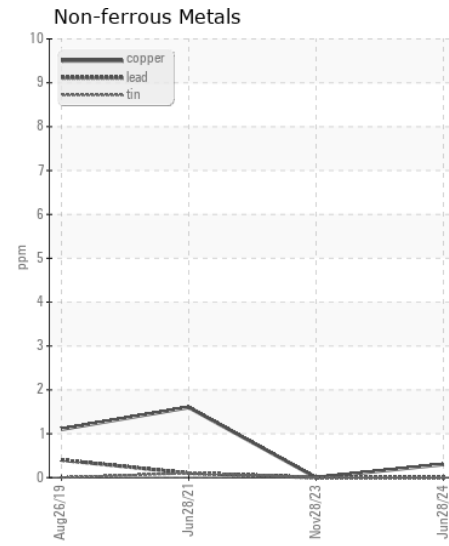
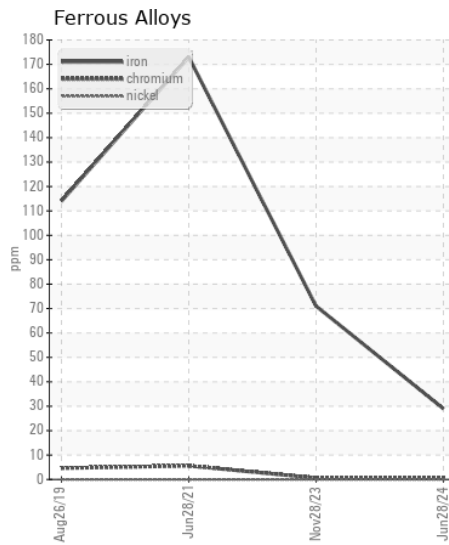
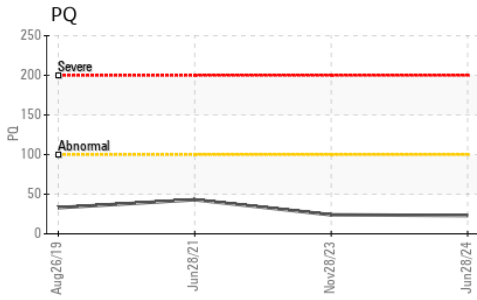
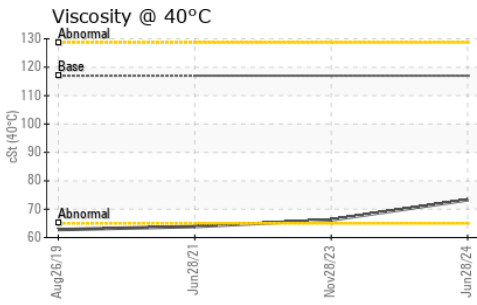
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	13	23	▲ 54
Potassium	ppm	ASTM D5185m	>20	0	0	2
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	4	2	2
Boron	ppm	ASTM D5185m		299	341	166
Barium	ppm	ASTM D5185m		<1	0	8
Molybdenum	ppm	ASTM D5185m		250	254	124
Manganese	ppm	ASTM D5185m		<1	1	7
Magnesium	ppm	ASTM D5185m		762	780	119
Calcium	ppm	ASTM D5185m		1703	1591	3749
Phosphorus	ppm	ASTM D5185m		1014	868	1129
Zinc	ppm	ASTM D5185m		1056	1045	1262
Sulfur	ppm	ASTM D5185m		3677	3059	6000
Visc @ 40°C	cSt	ASTM D445	117	73.3	66.2	63.9



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : LEC0051145

Lab Number : 06228972

Unique Number : 11112465

Test Package : CONST (Additional Tests: PQ)

Received : 05 Jul 2024

Tested : 08 Jul 2024

Diagnosed : 08 Jul 2024 - Wes Davis

LESLIE EQUIPMENT COMPANY

105 TENNIS CENTER DR.

MARIETTA, OH

US 45750-9765

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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)