



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 350G 1FF350GXLMF815436

Component
Pump Drive

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

RECOMMENDATION

No corrective action is recommended at this time. 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		JR0209205	---	---
Sample Date		Client Info		10 Apr 2024	---	---
Machine Age	hrs	Client Info		988	---	---
Oil Age	hrs	Client Info		988	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		None	---	---
Sample Status				ABNORMAL	---	---

WEAR

All component wear rates are normal.

Test	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		39	---	---
Iron	ppm	ASTM D5185m	>151	120	---	---
Chromium	ppm	ASTM D5185m	>11	3	---	---
Nickel	ppm	ASTM D5185m	>10	<1	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>21	2	---	---
Lead	ppm	ASTM D5185m	>51	3	---	---
Copper	ppm	ASTM D5185m	>51	1	---	---
Tin	ppm	ASTM D5185m	>4	2	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	MODER	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

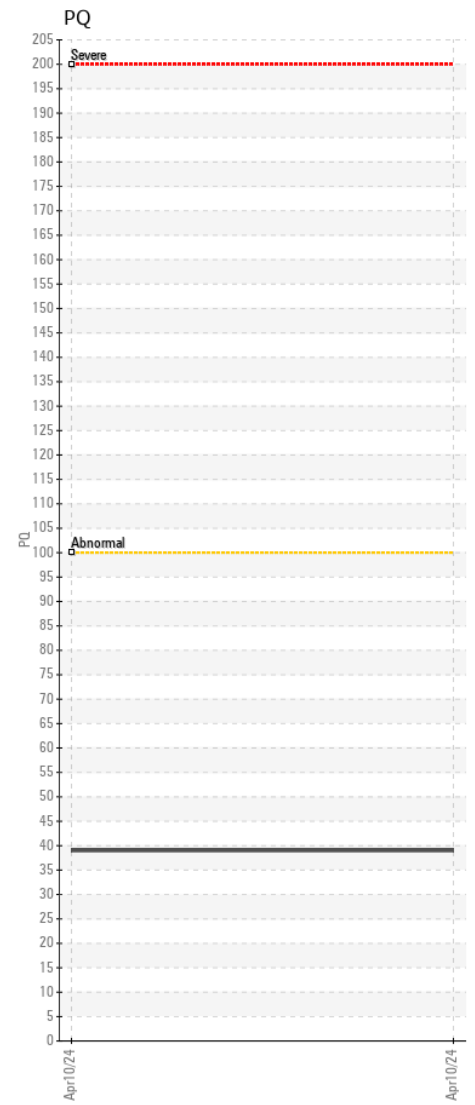
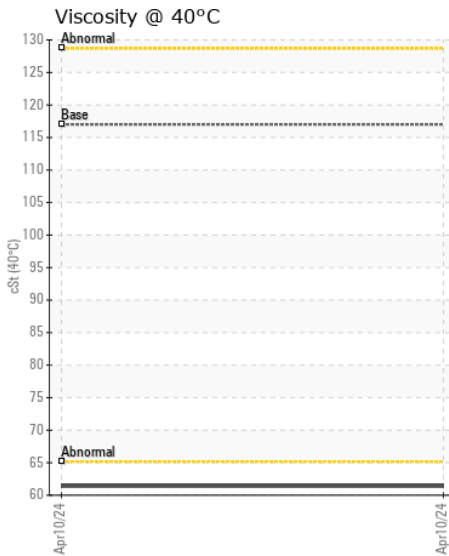
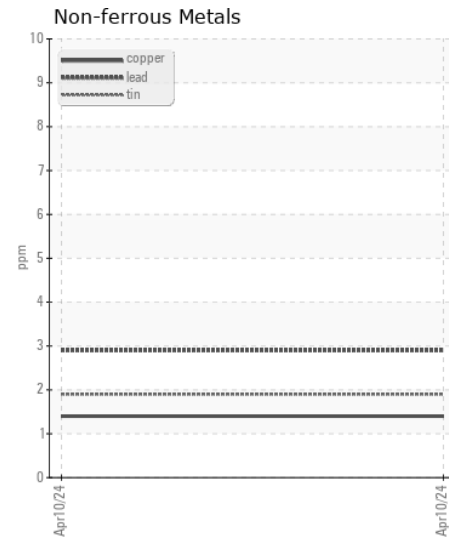
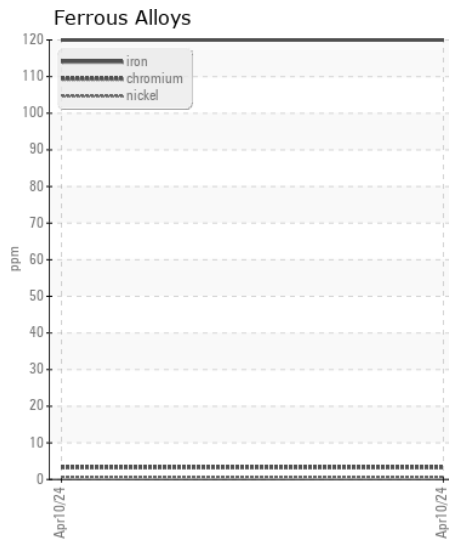
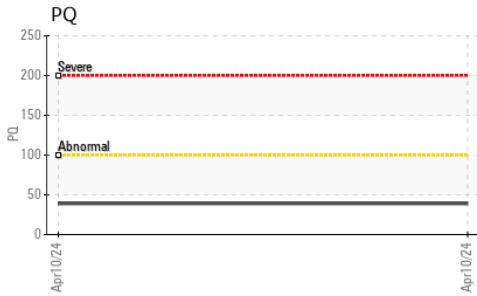
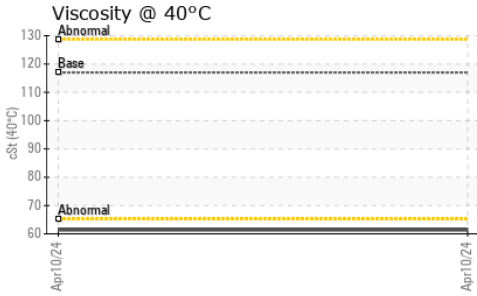
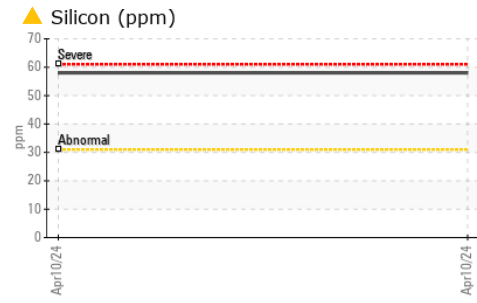
Elemental level of silicon (Si) above normal indicating ingress of seal material.

Silicon	ppm	ASTM D5185m	>31	▲ 58	---	---
Potassium	ppm	ASTM D5185m	>20	3	---	---
Water		WC Method	>0.1	NEG	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.1	NEG	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	5	---	---
Boron	ppm	ASTM D5185m		56	---	---
Barium	ppm	ASTM D5185m		7	---	---
Molybdenum	ppm	ASTM D5185m		105	---	---
Manganese	ppm	ASTM D5185m		5	---	---
Magnesium	ppm	ASTM D5185m		19	---	---
Calcium	ppm	ASTM D5185m		4234	---	---
Phosphorus	ppm	ASTM D5185m		1304	---	---
Zinc	ppm	ASTM D5185m		1341	---	---
Sulfur	ppm	ASTM D5185m		10041	---	---
Visc @ 40°C	cSt	ASTM D445	117	61.4	---	---



Certificate L2367

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

Sample No. : JR0209205

Lab Number : 06147586

Unique Number : 10977664

Test Package : CONST (Additional Tests: PQ)

Received : 12 Apr 2024

Tested : 15 Apr 2024

Diagnosed : 16 Apr 2024 - Don Baldrige

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)

JRE - GARNER

4161 AUBURN CHURCH RD

GARNER, NC

US 27529

Contact: JOHN GUASCHINO

john.guaschino@jamesriverequipment.com

T:

F: (919)779-5432