



Machine Id
JOHN DEERE 368
 Component
Splitter Box
 Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0217851	---	---
Sample Date		Client Info		11 Jun 2024	---	---
Machine Age	hrs	Client Info		5947	---	---
Oil Age	hrs	Client Info		1000	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				SEVERE	---	---

WEAR

Gear wear is indicated.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		149	---	---
Iron	ppm	ASTM D5185m	>151	▲ 307	---	---
Chromium	ppm	ASTM D5185m	>11	5	---	---
Nickel	ppm	ASTM D5185m	>10	<1	---	---
Titanium	ppm	ASTM D5185m		1	---	---
Silver	ppm	ASTM D5185m		<1	---	---
Aluminum	ppm	ASTM D5185m	>21	● 10	---	---
Lead	ppm	ASTM D5185m	>51	<1	---	---
Copper	ppm	ASTM D5185m	>51	2	---	---
Tin	ppm	ASTM D5185m		1	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

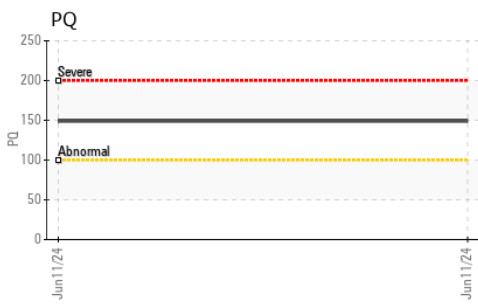
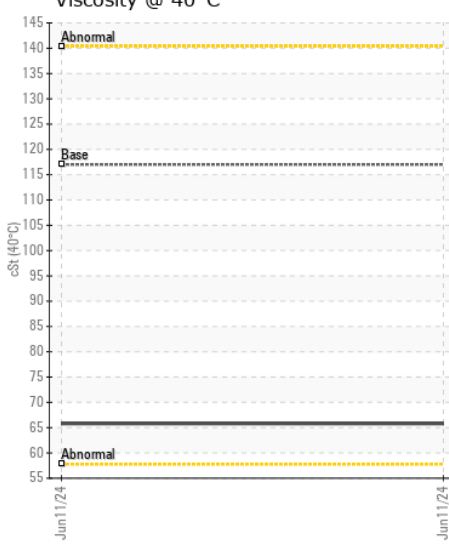
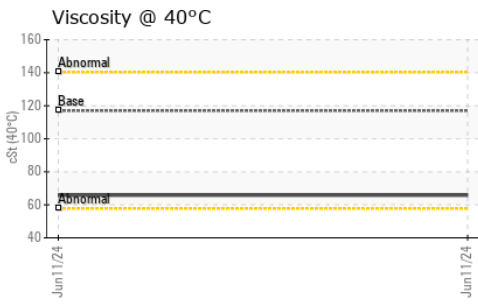
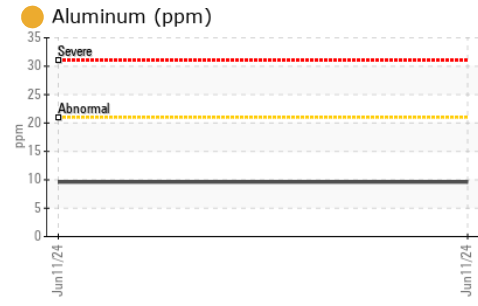
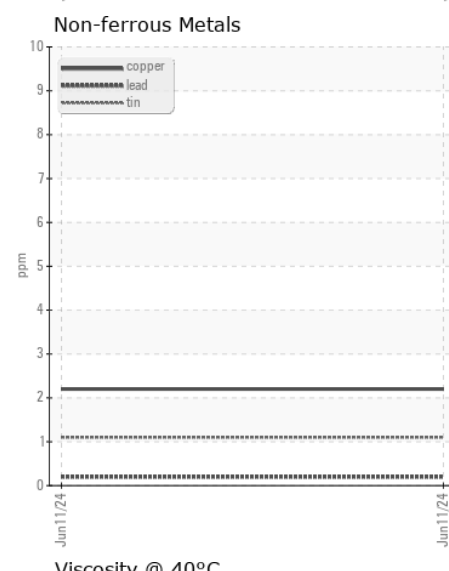
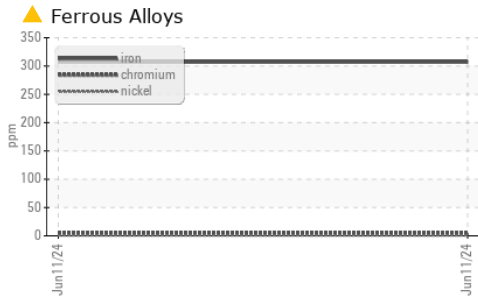
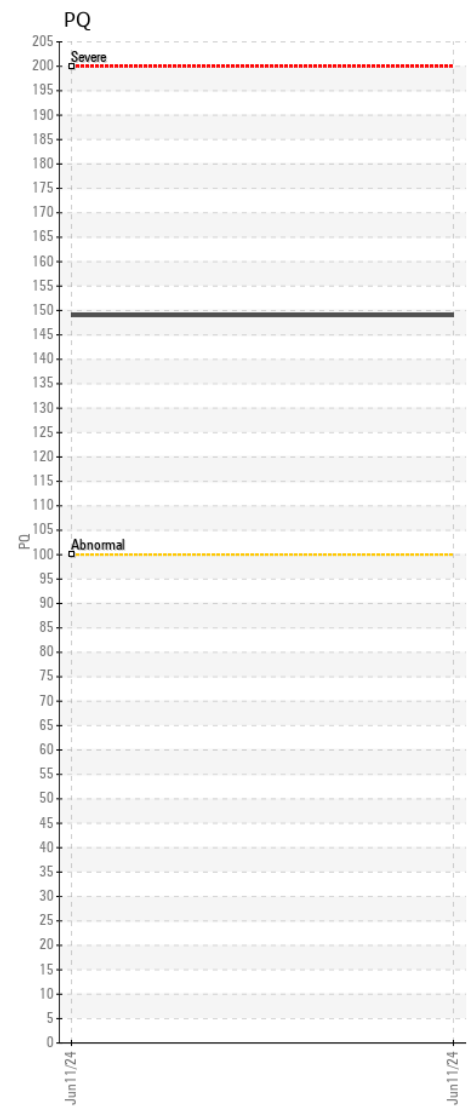
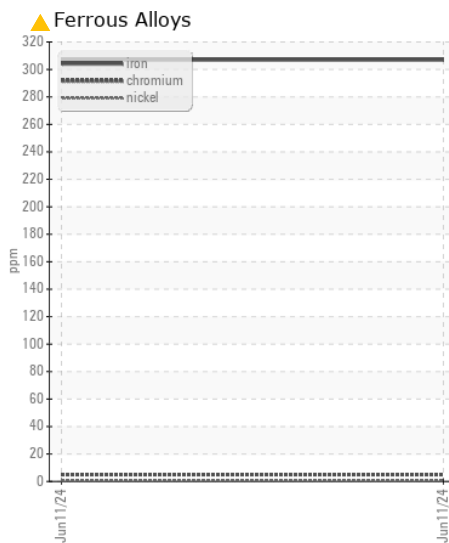
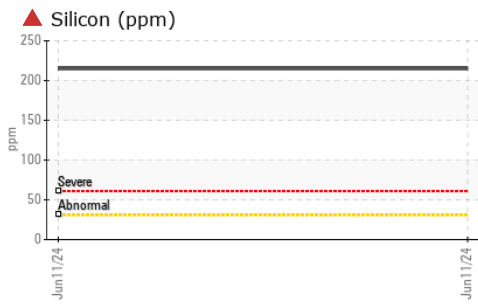
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>31	▲ 215	---	---
Potassium	ppm	ASTM D5185m	>20	6	---	---
Water		WC Method	>0.1	NEG	---	---
Silt	scalar	*Visual	NONE	MODER	---	---
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 oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185m	>51	1	---	---
Boron	ppm	ASTM D5185m		209	---	---
Barium	ppm	ASTM D5185m		1	---	---
Molybdenum	ppm	ASTM D5185m		101	---	---
Manganese	ppm	ASTM D5185m		4	---	---
Magnesium	ppm	ASTM D5185m		358	---	---
Calcium	ppm	ASTM D5185m		2132	---	---
Phosphorus	ppm	ASTM D5185m		985	---	---
Zinc	ppm	ASTM D5185m		1080	---	---
Sulfur	ppm	ASTM D5185m		3234	---	---
Visc @ 40°C	cSt	ASTM D445	117	65.8	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0217851 **Received** : 01 Jul 2024
Lab Number : 06224732 **Tested** : 02 Jul 2024
Unique Number : 11102929 **Diagnosed** : 02 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

TOTAL DEVELOPMENT SOLUTIONS LLC
 7805 PROGRESS CT
 GAINESVILLE, VA
 US 20155
 Contact: JOE SEALE

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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