



Machine Id
JOHN DEERE 892D-LC FF892DL006513
 Component
Pump Drive
 Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (2 QTS)

RECOMMENDATION

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

WEAR

All component wear rates are normal.

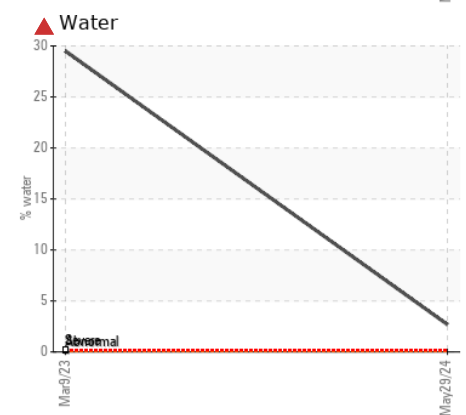
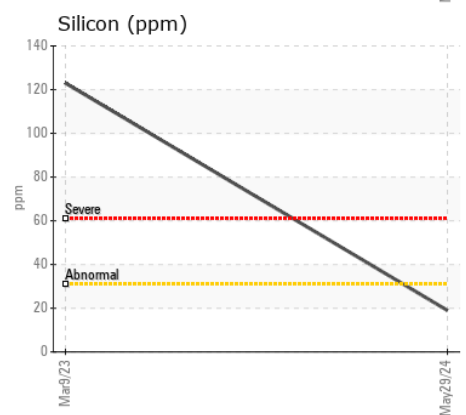
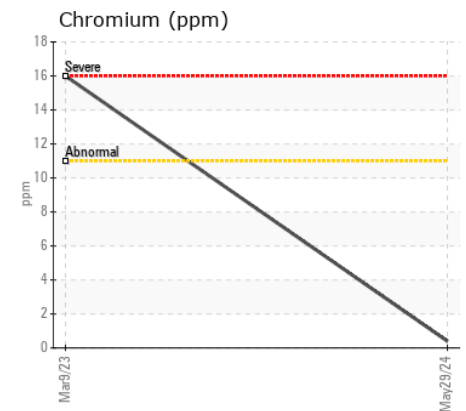
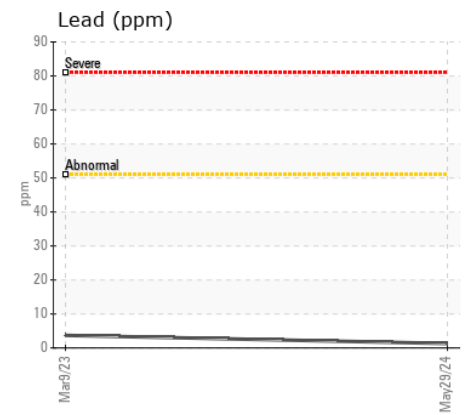
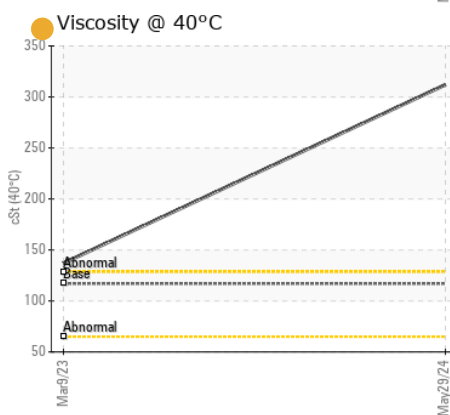
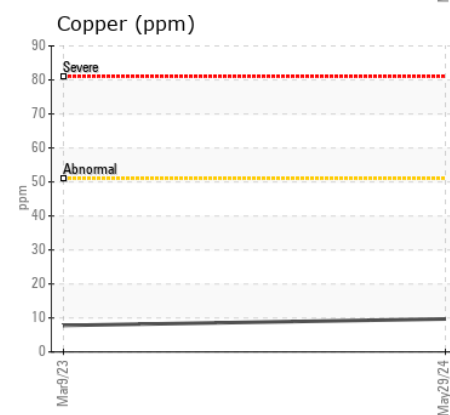
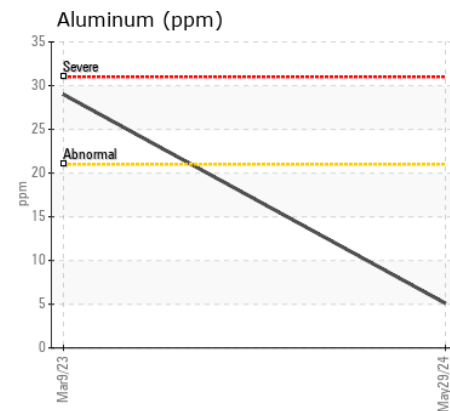
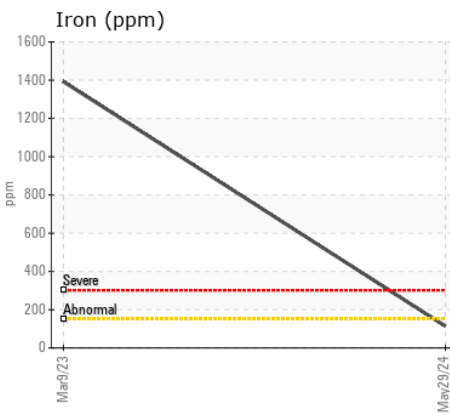
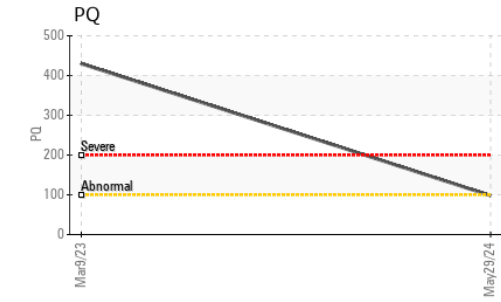
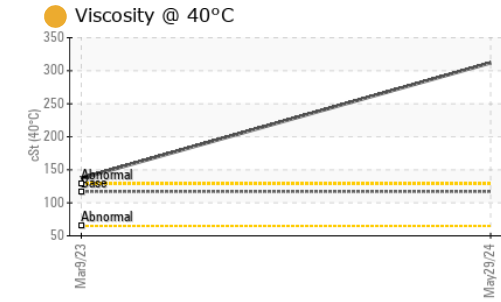
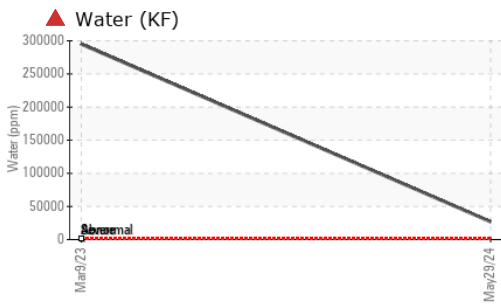
CONTAMINATION

There is a high concentration of water present in the oil.

FLUID CONDITION

The oil viscosity is higher than normal. The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0084563	JR0163022	---
Sample Date		Client Info		29 May 2024	09 Mar 2023	---
Machine Age	hrs	Client Info		2846	2846	---
Oil Age	hrs	Client Info		2846	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		None	N/A	---
Sample Status				SEVERE	SEVERE	---
PQ		ASTM D8184		98	430	---
Iron	ppm	ASTM D5185m	>151	114	▲ 1392	---
Chromium	ppm	ASTM D5185m	>11	<1	▲ 16	---
Nickel	ppm	ASTM D5185m	>10	0	3	---
Titanium	ppm	ASTM D5185m		<1	2	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>21	5	● 29	---
Lead	ppm	ASTM D5185m	>51	1	4	---
Copper	ppm	ASTM D5185m	>51	10	8	---
Tin	ppm	ASTM D5185m	>4	2	<1	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>31	19	▲ 123	---
Potassium	ppm	ASTM D5185m	>20	0	8	---
Water	%	ASTM D6304	>0.1	▲ 2.69	▲ 29.5	---
ppm Water	ppm	ASTM D6304	>1000	▲ 26900	▲ 295000	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	▲ MODER	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	● MILKY	● MILKY	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	▲ 0.2%	▲ 0.2%	---
Sodium	ppm	ASTM D5185m	>51	1	13	---
Boron	ppm	ASTM D5185m		334	44	---
Barium	ppm	ASTM D5185m		0	0	---
Molybdenum	ppm	ASTM D5185m		227	9	---
Manganese	ppm	ASTM D5185m		2	11	---
Magnesium	ppm	ASTM D5185m		725	138	---
Calcium	ppm	ASTM D5185m		1450	2436	---
Phosphorus	ppm	ASTM D5185m		941	1061	---
Zinc	ppm	ASTM D5185m		1050	1341	---
Sulfur	ppm	ASTM D5185m		3919	10336	---
Visc @ 40°C	cSt	ASTM D445	117	● 312	137	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0084563 **Received** : 31 May 2024
Lab Number : 06197041 **Tested** : 03 Jun 2024
Unique Number : 11059164 **Diagnosed** : 04 Jun 2024 - Don Baldrige
Test Package : MOBCE (Additional Tests: KF, 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)

JRE - MANASSAS PARK
 9107 OWENS DRIVE
 MANASSAS PARK, VA
 US 20111

Contact: DON VEST
 dvest@jamesriverequipment.com
 T: (703)631-8500
 F: (703)631-4715