



WEAR	SEVERE
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL



Machine Id
JOHN DEERE 200C FF200CX508161
Component
Right Final Drive
Fluid
GEAR OIL SAE 90 (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

WEAR

Gear wear is indicated.

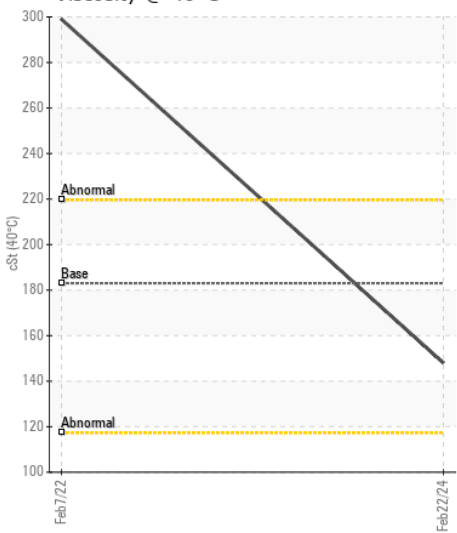
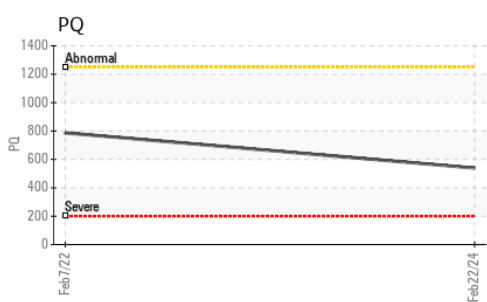
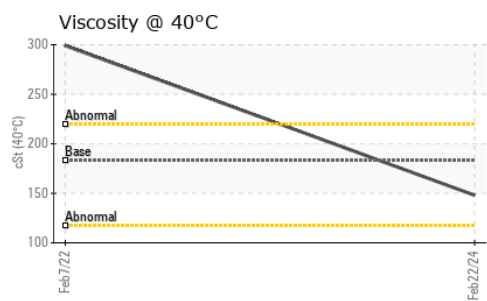
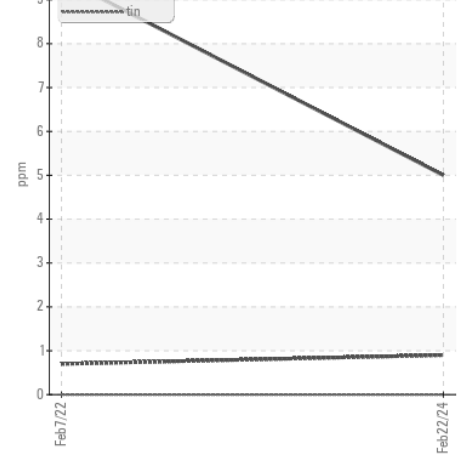
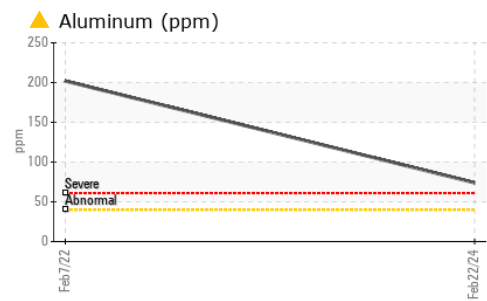
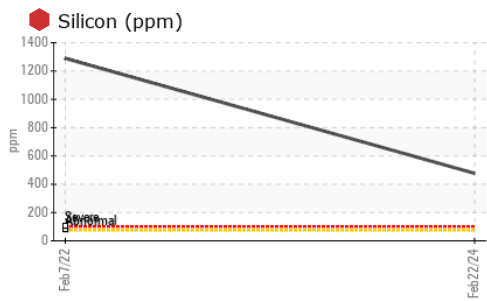
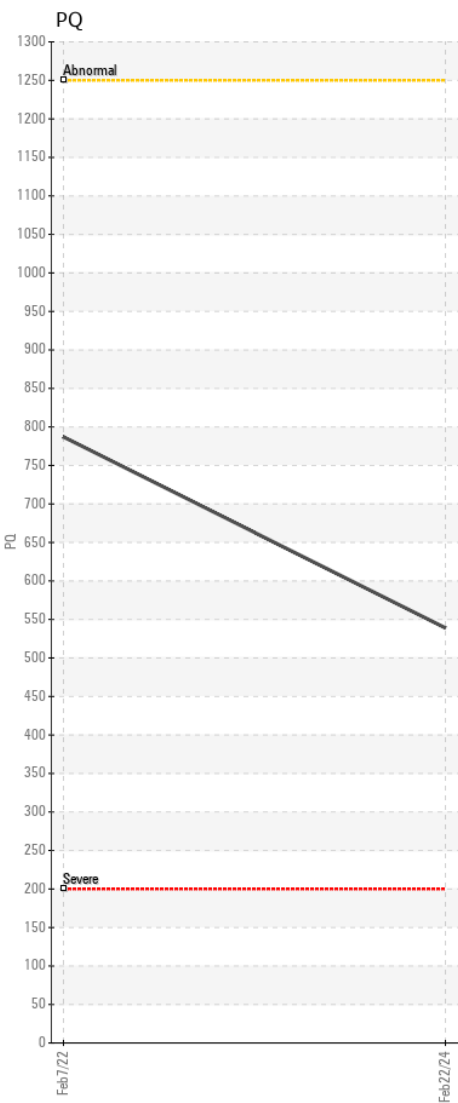
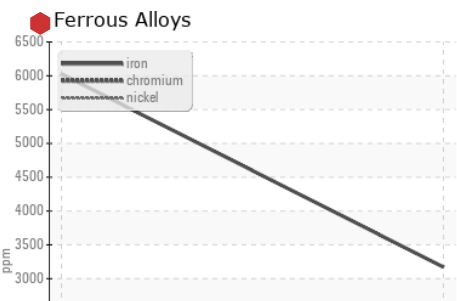
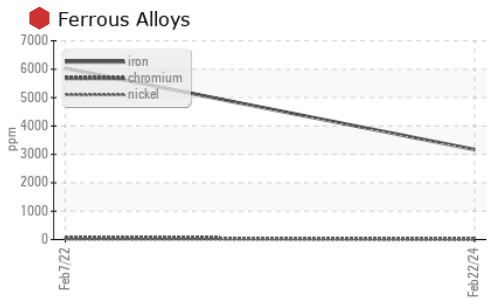
CONTAMINATION

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

FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0200820	JR0118161	---
Sample Date		Client Info		22 Feb 2024	07 Feb 2022	---
Machine Age	hrs	Client Info		6680	6576	---
Oil Age	hrs	Client Info		6680	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	N/A	---
Filter Changed		Client Info		N/A	Changed	---
Sample Status				SEVERE	SEVERE	---
PQ		ASTM D8184	>1250	539	787	---
Iron	ppm	ASTM D5185m	>750	3171	6026	---
Chromium	ppm	ASTM D5185m	>9	25	51	---
Nickel	ppm	ASTM D5185m	>10	5	10	---
Titanium	ppm	ASTM D5185m		10	27	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>40	74	202	---
Lead	ppm	ASTM D5185m	>15	<1	<1	---
Copper	ppm	ASTM D5185m	>40	5	10	---
Tin	ppm	ASTM D5185m	>10	0	0	---
Vanadium	ppm	ASTM D5185m		0	2	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>75	477	1289	---
Potassium	ppm	ASTM D5185m	>20	17	42	---
Water		WC Method	>0.075	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	---
Sodium	ppm	ASTM D5185m	>51	<1	10	---
Boron	ppm	ASTM D5185m	400	32	55	---
Barium	ppm	ASTM D5185m	200	0	0	---
Molybdenum	ppm	ASTM D5185m	12	3	5	---
Manganese	ppm	ASTM D5185m		23	50	---
Magnesium	ppm	ASTM D5185m	12	0	14	---
Calcium	ppm	ASTM D5185m	150	15	37	---
Phosphorus	ppm	ASTM D5185m	1650	746	1939	---
Zinc	ppm	ASTM D5185m	125	0	17	---
Sulfur	ppm	ASTM D5185m	22500	25227	23244	---
Visc @ 40°C	cSt	ASTM D445	183	148	299	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0200820 **Received** : 23 Feb 2024
Lab Number : 06099389 **Tested** : 26 Feb 2024
Unique Number : 10897619 **Diagnosed** : 27 Feb 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - GREENVILLE
 3604 HIGHWAY 264 E
 GREENVILLE, NC
 US 27834-5800

Contact: GREENVILLE SHOP
 christopher.martin@jamesriverequipment.com

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)

T:
F: