



# OIL ANALYSIS REPORT

WEAR	<b>ABNORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**JOHN DEERE 85G 1FF085GXPJ018993**

Component  
**Left Final Drive**

Fluid  
**{not provided} (--- QTS)**

## RECOMMENDATION

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0034800	---	---
Sample Date		Client Info		25 Feb 2020	---	---
Machine Age	hrs	Client Info		2204	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---

## WEAR

High concentration of visible metal present. Gear wear is indicated.

PQ		ASTM D8184	>1250	2970	---	---
Iron	ppm	ASTM D5185m	>750	▲ 1169	---	---
Chromium	ppm	ASTM D5185m	>9	▲ 9	---	---
Nickel	ppm	ASTM D5185m		4	---	---
Titanium	ppm	ASTM D5185m		6	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>40	10	---	---
Lead	ppm	ASTM D5185m	>15	1	---	---
Copper	ppm	ASTM D5185m	>40	6	---	---
Tin	ppm	ASTM D5185m		<1	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	▲ HEAVY	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

## CONTAMINATION

There is no indication of any contamination in the oil.

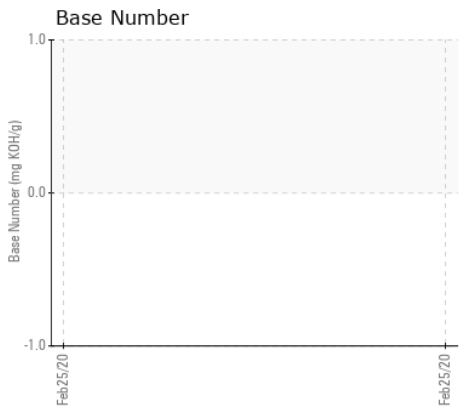
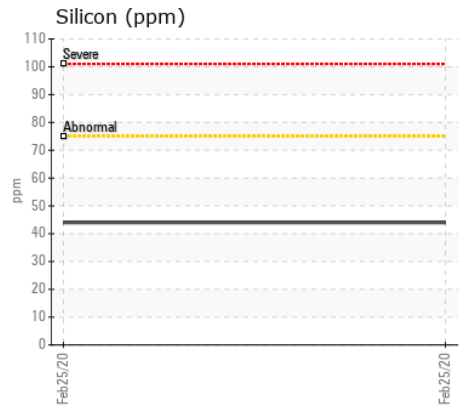
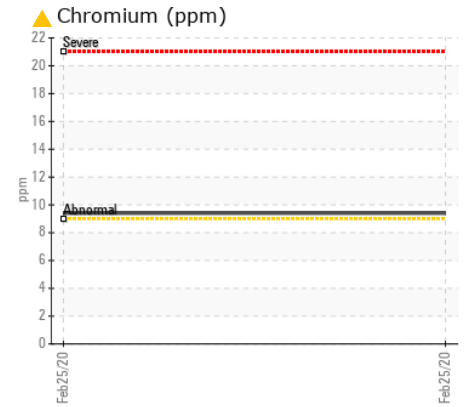
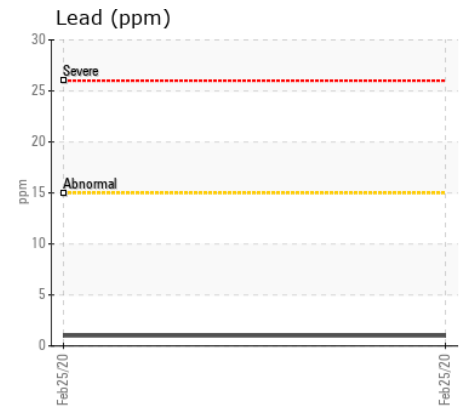
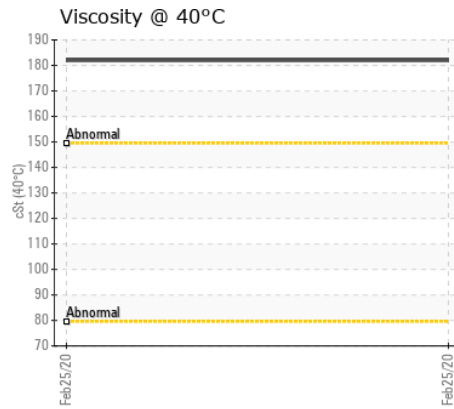
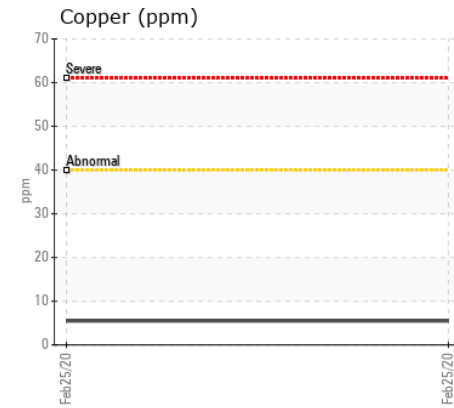
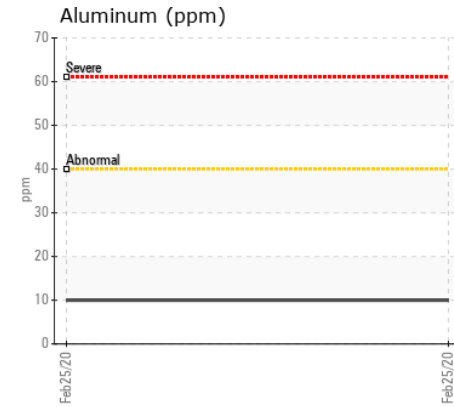
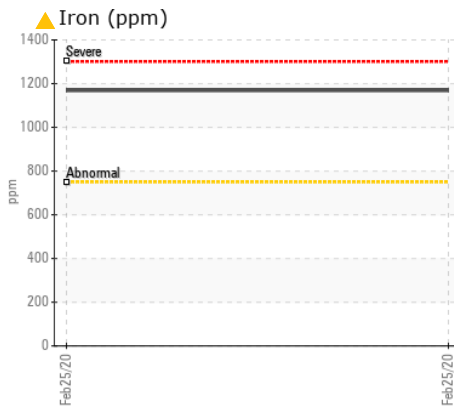
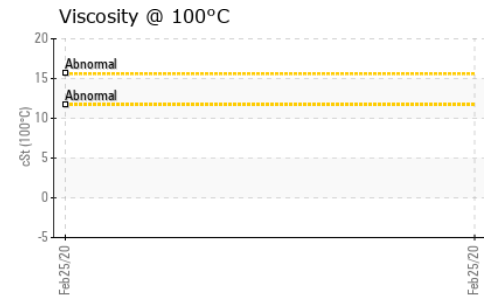
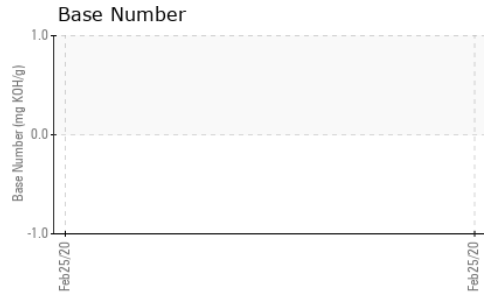
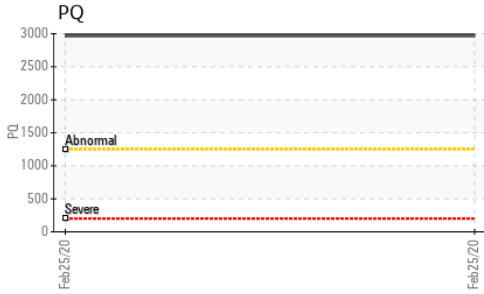
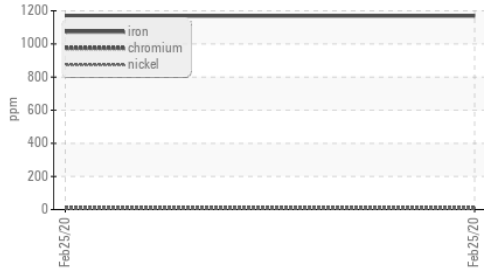
Silicon	ppm	ASTM D5185m	>75	44	---	---
Potassium	ppm	ASTM D5185m	>20	2	---	---
Water		WC Method	>0.075	NEG	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.075	NEG	---	---

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	2	---	---
Boron	ppm	ASTM D5185m		46	---	---
Barium	ppm	ASTM D5185m		77	---	---
Molybdenum	ppm	ASTM D5185m		0	---	---
Manganese	ppm	ASTM D5185m		11	---	---
Magnesium	ppm	ASTM D5185m		2	---	---
Calcium	ppm	ASTM D5185m		9	---	---
Phosphorus	ppm	ASTM D5185m		437	---	---
Zinc	ppm	ASTM D5185m		143	---	---
Sulfur	ppm	ASTM D5185m		11979	---	---
Visc @ 40°C	cSt	ASTM D445		182	---	---

▲ Ferrous Alloys



Certificate L2367

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

Sample No. : JR0034800

Lab Number : 04921248

Unique Number : 8936327

Test Package : MOBCE ( Additional Tests: FT-IR, KV100, PQ, TBN )

Received : 26 Feb 2020

Tested : 27 Feb 2020

Diagnosed : 27 Feb 2020 - Jonathan Hester

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 - GREENSBORO

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