



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[W9019]

Machine Id

JOHN DEERE H1590586

Component

Right Drive Reducer

Fluid

JOHN DEERE GL-5 80W90 (1 QTS)

## RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. ( Customer Sample Comment: W9019 )

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0196896	---	---
Sample Date		Client Info		18 Jun 2024	---	---
Machine Age	hrs	Client Info		3529	---	---
Oil Age	hrs	Client Info		3529	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

## WEAR

Metal levels are typical for a new component breaking in.

PQ		ASTM D8184		36	---	---
Iron	ppm	ASTM D5185m	>200	236	---	---
Chromium	ppm	ASTM D5185m	>10	2	---	---
Nickel	ppm	ASTM D5185m	>10	0	---	---
Titanium	ppm	ASTM D5185m		0	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m		1	---	---
Lead	ppm	ASTM D5185m		208	---	---
Copper	ppm	ASTM D5185m		119	---	---
Tin	ppm	ASTM D5185m		3	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

## CONTAMINATION

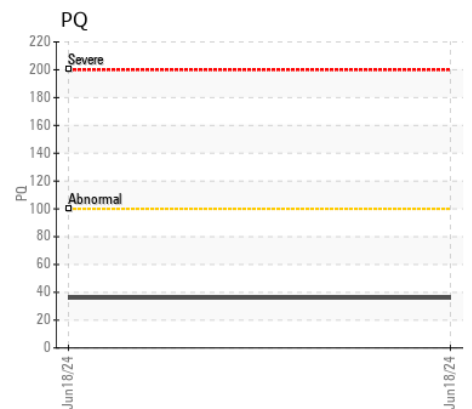
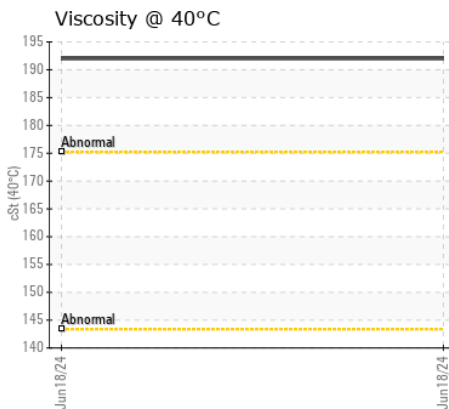
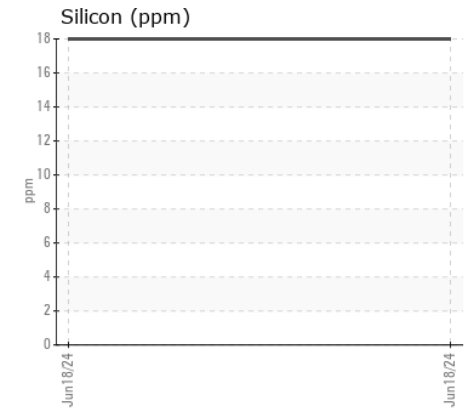
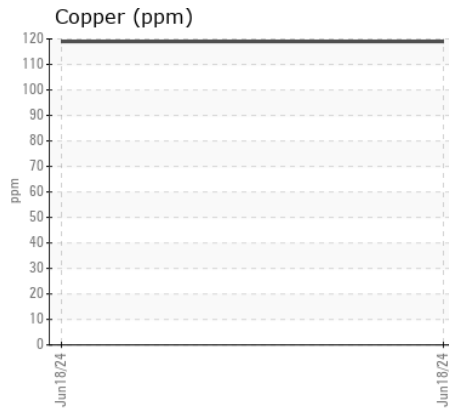
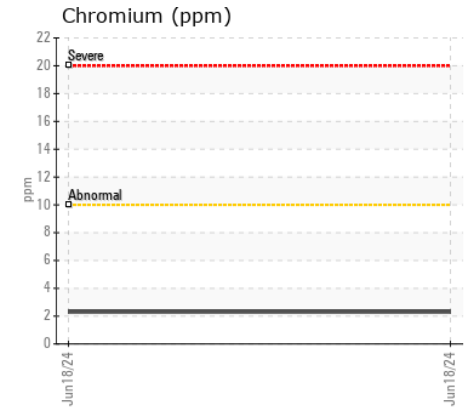
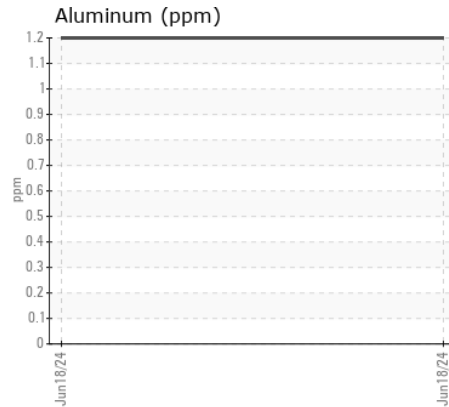
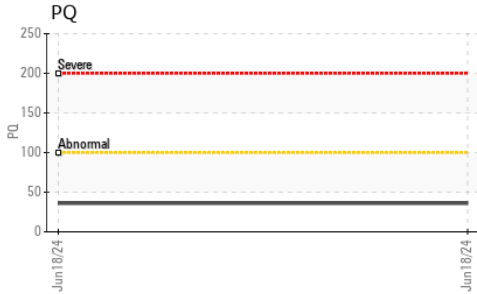
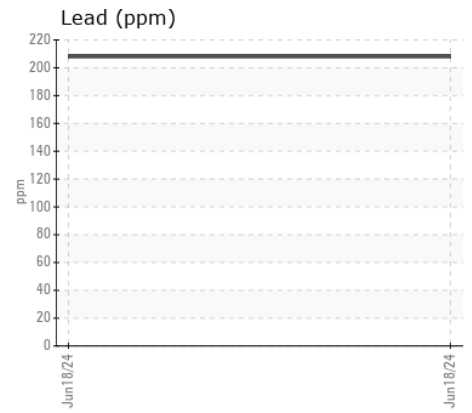
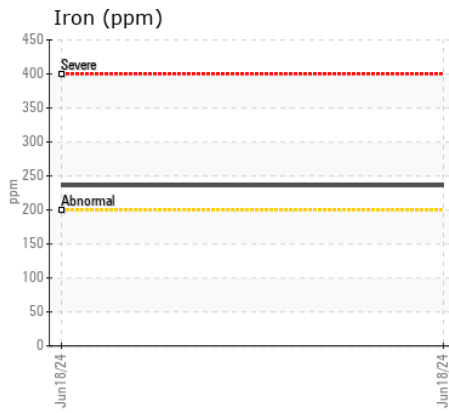
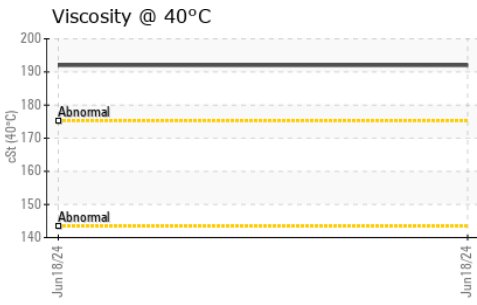
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m		18	---	---
Potassium	ppm	ASTM D5185m	>20	1	---	---
Water		WC Method	>0.2	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	>0.2	NEG	---	---

## FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		15	---	---
Boron	ppm	ASTM D5185m		4	---	---
Barium	ppm	ASTM D5185m		7	---	---
Molybdenum	ppm	ASTM D5185m		12	---	---
Manganese	ppm	ASTM D5185m		6	---	---
Magnesium	ppm	ASTM D5185m		4	---	---
Calcium	ppm	ASTM D5185m		106	---	---
Phosphorus	ppm	ASTM D5185m		2001	---	---
Zinc	ppm	ASTM D5185m		59	---	---
Sulfur	ppm	ASTM D5185m		37097	---	---
Visc @ 40°C	cSt	ASTM D445		192	---	---



Certificate L2367

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

Sample No. : JR0196896

Lab Number : 06216013

Unique Number : 11088877

Test Package : MOBCE ( Additional Tests: PQ )

Received : 20 Jun 2024

Tested : 22 Jun 2024

Diagnosed : 23 Jun 2024 - Don Baldrige

JRE - NEW BERN

3816 MARTIN LUTHER KING BLVD

NEW BERN, NC

US 28562

Contact: NEW BERN SHOP

nick.etherdridge@jamesriverequipment.com;canastasio@wearcheckusa.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: