



Area
[W66199]

Machine Id
JOHN DEERE 85G 1FF085GXAKJ021049

Component
Right Final Drive

Fluid
JOHN DEERE GL-5 80W90 (2 QTS)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. (Customer Sample Comment: W66199)

WEAR

All component wear rates are normal.

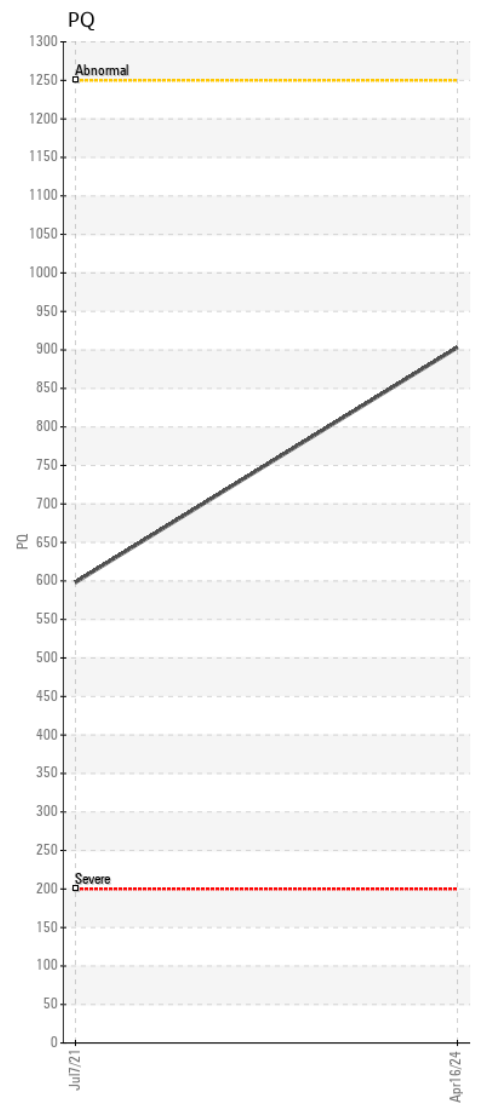
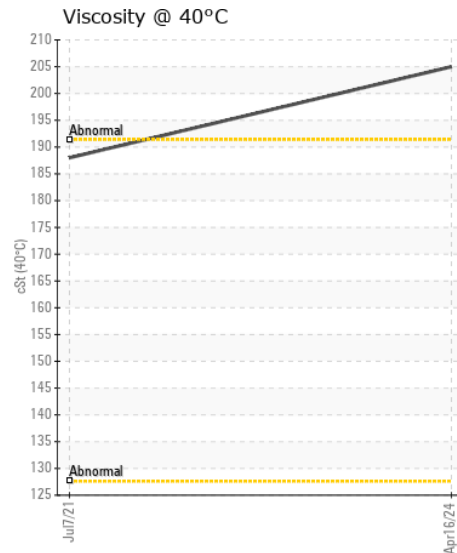
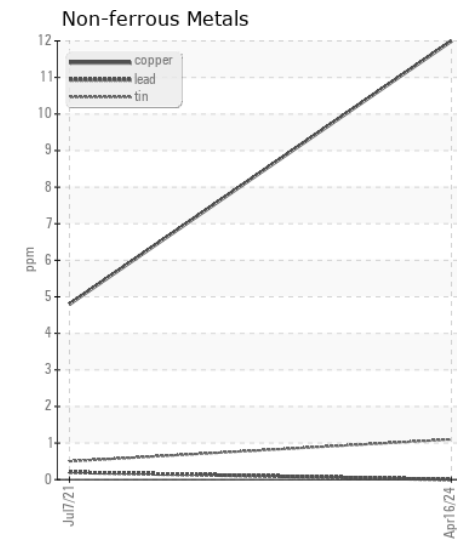
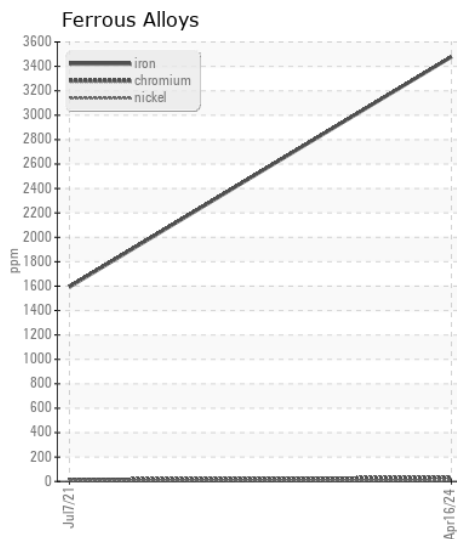
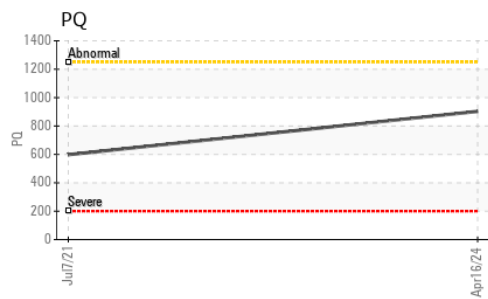
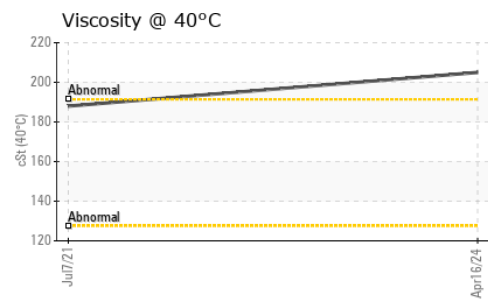
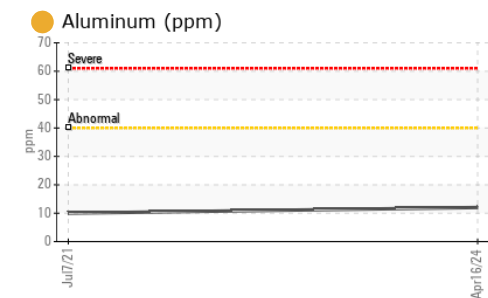
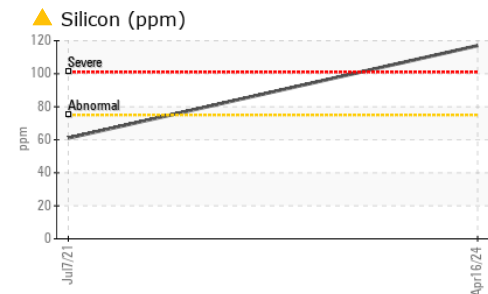
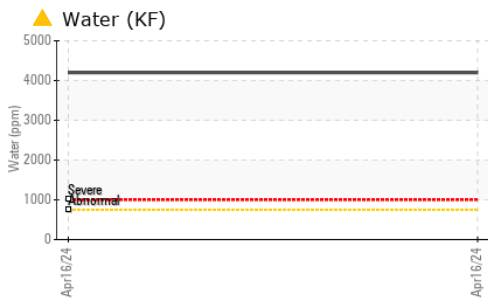
CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. There is a moderate concentration of water present in the oil.

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0206310	JR0079311	---
Sample Date		Client Info		16 Apr 2024	07 Jul 2021	---
Machine Age	hrs	Client Info		2667	1323	---
Oil Age	hrs	Client Info		2667	1323	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	NORMAL	---
PQ		ASTM D8184	>1250	903	598	---
Iron	ppm	ASTM D5185m	>750	3478	1593	---
Chromium	ppm	ASTM D5185m	>9	31	14	---
Nickel	ppm	ASTM D5185m	>10	12	9	---
Titanium	ppm	ASTM D5185m		2	2	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>40	12	10	---
Lead	ppm	ASTM D5185m	>15	0	<1	---
Copper	ppm	ASTM D5185m	>40	12	5	---
Tin	ppm	ASTM D5185m	>10	1	<1	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	MODER	HEAVY	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>75	▲ 117	61	---
Potassium	ppm	ASTM D5185m	>20	2	2	---
Water	%	ASTM D6304	>0.075	▲ 0.420	---	---
ppm Water	ppm	ASTM D6304	>750	▲ 4200	---	---
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	▲ 0.2%	NEG	---
Sodium	ppm	ASTM D5185m	>51	8	5	---
Boron	ppm	ASTM D5185m		62	60	---
Barium	ppm	ASTM D5185m		64	52	---
Molybdenum	ppm	ASTM D5185m		1	<1	---
Manganese	ppm	ASTM D5185m		38	18	---
Magnesium	ppm	ASTM D5185m		6	2	---
Calcium	ppm	ASTM D5185m		19	10	---
Phosphorus	ppm	ASTM D5185m		505	469	---
Zinc	ppm	ASTM D5185m		154	88	---
Sulfur	ppm	ASTM D5185m		27696	14576	---
Visc @ 40°C	cSt	ASTM D445		205	188	---



Certificate L2367

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

Sample No. : JR0206310

Lab Number : 06156256

Unique Number : 10991679

Test Package : CONST (Additional Tests: KF, PQ)

Received : 22 Apr 2024

Tested : 24 Apr 2024

Diagnosed : 24 Apr 2024 - Sean Felton

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 - ELIZABETH CITY

129 KNOBBS CREEK DR

ELIZABETH CITY, NC

US 27909

Contact: CHARLES PARKER

charles.parker@jamesriverequipment.com

T: (252)333-2280

F: